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PDF Ada

Lovelace, Poet Of  
Science: The First

Ada

Computer

Programmer  
Poet Of

Science: The

First

Computer

Programmer

***"The book is  
about Ada***

*Page 1/217*

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
**Lovelace and  
her life in  
science." --**

**From the world  
of Good Night  
Stories for  
Rebel Girls  
comes a story  
based on the  
exciting  
adventures of  
Ada Lovelace:  
one of the**

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*world's first  
computer  
programmers.*

*Growing up in  
nineteenth  
century London,  
England, Ada is  
curious about  
absolutely  
everything. She  
is obsessed  
with machines  
and with*

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**creatures that  
fly. She even  
designs her own  
flying**

**laboratory!  
According to  
her mother, Ada  
is a bit too  
wild, so she  
encourages Ada  
to study math.  
At first Ada  
thinks: Bleh!**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Who can get  
excited about a  
subject without  
pictures? But  
she soon falls  
in love with  
it. One day she  
encounters a  
mysterious  
machine, and  
from that  
moment forward  
Ada imagines a***

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PDF Ada

*future full of  
possibility—one  
that will  
eventually  
inspire the  
digital age  
nearly two  
hundred years  
later. Ada  
Lovelace Cracks  
the Code is the  
story of a  
pioneer in the*

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Lovelace, Poet Of

Science: The First

Computer

Programmer

**computer**

**sciences, and a**

**testament to**

**women's**

**invaluable**

**contributions**

**to STEM**

**throughout**

**history.**

**Includes**

**additional text**

**on Ada**

**Lovelace's**

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Lovelace, Poet Of  
Science: The First

***lasting legacy,  
as well as***

***educational***

***activities***

***designed to***

***teach simple***

***coding and***

***mathematical***

***concepts.***

***Offers an***

***illustrated***

***telling of the***

***story of Ada***



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Lovelace, Poet Of

Science: The First

Computer

Programmer

***Byron Lovelace,***

***from her early***

***creative***

***fascination***

***with***

***mathematics and***

***science and her***

***devastating***

***bout with***

***measles, to the***

***ground-breaking***

***algorithm she***

***wrote for***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**Charles  
Babbage's  
analytical  
engine.**

**A sonnet to  
science  
presents an  
account of six  
ground-breaking  
scientists who  
also wrote  
poetry, and the  
effect that**

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Lovelace, Poet Of

Science: The First

Computer

Programmer

***this had on  
their lives and  
research. How  
was the  
universal  
computer  
inspired by  
Lord Byron? Why  
was the link  
between malaria  
and mosquitos  
first captured  
in the form of***

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*a poem? Who did  
Humphry Davy  
consider to be  
an 'illiterate  
pirate'?*

*Written by  
leading science  
communicator  
and scientific  
poet Dr Sam  
Illingworth, A  
sonnet to  
science*

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
**presents an  
aspirational  
account of how  
these two  
disciplines can  
work together,  
and in so doing  
aims to inspire  
both current  
and future  
generations of  
scientists and  
poets that**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***these worlds  
are not  
mutually  
exclusive, but  
rather  
complementary  
in nature.***

***Faster Than  
Thought  
Ada, the  
Enchantress of  
Numbers***

***Harlem Grown***

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Lovelace, Poet Of

Science: The First

Computer

Programmer

***Who Says Women  
Can't Be  
Computer***

***Programmers?***

***How Lord***

***Byron's***

***Daughter Ada***

***Lovelace***

***Launched the***

***Digital Age***

***Charles Babbage***

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Lovelace, Poet Of

*and Ada*

Science: The First

*Lovelace*

Computer

Programmer

*The true story*

*of eighteenth-*

*century*

*mathematician*

*Sophie*

*Germain, who*

*solved the*

*unsolvable to*

*achieve her*

*dream. When*



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Lovelace, Poet Of

Science: The First

Computer

Programmer

***her parents  
took away her  
candles to  
keep their  
young  
daughter from  
studying  
math...nothing  
stopped  
Sophie. When  
a professor  
discovered***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***that the  
homework  
sent to him  
under a male  
pen name  
came from a w  
oman...nothin  
g stopped  
Sophie. And  
when she  
tackled a math  
problem that***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**male scholars  
said would be  
impossible to  
solve...still,  
nothing  
stopped  
Sophie. For six  
years Sophie  
Germain used  
her love of  
math and her  
undeniable**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**determination  
to test  
equations that  
would predict  
patterns of  
vibrations.  
She eventually  
became the  
first woman to  
win a grand  
prize from  
France's**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***prestigious  
Academy of  
Sciences for  
her formula,  
which laid the  
groundwork  
for much of  
modern  
architecture  
(and can be  
seen in the  
book's***

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Science: The First  
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***illustrations).***  
***Award-winning***  
***author Cheryl***  
***Bardoe's***  
***inspiring and***  
***poetic text is***  
***brought to life***  
***by acclaimed***  
***artist Barbara***  
***McClintock's***  
***intricate pen-***  
***and-ink,***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***watercolor,  
and collage  
illustrations in  
this true story  
about a  
woman who  
let nothing  
stop her.***

***A masterful  
portrait of two  
remarkable  
women,***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***revealing how  
two turbulent  
lives were  
always  
haunted by  
the  
dangerously  
enchanted,  
quicksilver  
spirit of that  
extraordinary  
father whom***



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Ada never  
knew: Lord  
Byron. In  
1815, the  
clever,  
courted, and  
cherished  
Annabella  
Milbanke  
married the  
notorious and  
brilliant Lord***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Byron. Just  
one year later,  
she fled,  
taking with  
her their baby  
daughter, the  
future Ada  
Lovelace.  
Byron himself  
escaped into  
exile and died  
as a***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***revolutionary  
hero in 1824,  
aged 36. The  
one thing he  
had asked his  
wife to do was  
to make sure  
that their  
daughter  
never became  
a poet. Ada  
didn't.***

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PDF Ada

***Lovelace, Poet Of  
Science: The First  
Computer  
Programmer***  
***Brought up by  
a mother who  
became one of  
the most  
progressive  
reformers of  
Victorian  
England,  
Byron's little  
girl was  
introduced to  
mathematics***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***as a means of  
calming her  
wild spirits.  
Educated by  
some of the  
most learned  
minds in  
England, she  
combined that  
scholarly  
discipline with  
a rebellious***

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***heart and a  
visionary  
imagination.***

***As a child  
invalid, Ada  
dreamed of  
building a  
steam-driven  
flying horse.***

***As an  
exuberant and  
boldly***

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PDF Ada

Lovelace, Poet Of

Science: The First

Computer

Programmer

***unconventional  
I young  
woman, she  
amplified her  
explanations  
of Charles  
Babbage's  
unbuilt  
calculating  
engine to  
predict—as  
nobody would***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**do for another  
century—the  
dawn of the  
modern**

**computer age.**

**When Ada**

**died—like her  
father, she**

**was only**

**36—great**

**things seemed  
still to lie**



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PDF Ada

Lovelace, Poet Of  
Science: The First

***ahead for her***

***as a***

***passionate***

***astronomer.***

***Even while***

***mired in debt***

***from gambling***

***and crippled***

***by cancer, she***

***was***

***frenetically***

***employing***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Faraday's  
experiments  
with light  
refraction to  
explore the  
analysis of  
distant stars.  
Drawing on  
fascinating  
new material,  
Seymour  
reveals the***

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***ways in which  
Byron, long  
after his  
death,  
continued to  
shape the  
lives and  
reputations  
both of his  
wife and his  
daughter.  
During her***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***life, Lady  
Byron was  
praised as a  
paragon of  
virtue; within  
ten years of  
her death, she  
was vilified as  
a disgrace to  
her sex. Well  
over a  
hundred years***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***later,  
Annabella  
Milbanke is  
still perceived  
as a prudish  
wife and  
cruelly  
controlling  
mother. But  
her hidden  
devotion to  
Byron and her***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**tender  
ambitions for  
his mercurial,  
brilliant  
daughter  
reveal a  
deeply  
complex but  
unexpectedly  
sympathetic  
personality.  
Miranda**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Seymour has  
written a  
masterful  
portrait of two  
remarkable  
women,  
revealing how  
two turbulent  
lives were  
often  
governed and  
always***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***haunted by  
the  
dangerously  
enchanting,  
quicksilver  
spirit of that  
extraordinary  
father whom  
Ada never  
knew.***

***Ada, Countess  
of Lovelace***



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PDF Ada

*Lovelace, Poet Of  
Science: The First  
Computer  
Programmer*

**(1815-1852),  
daughter of  
romantic poet  
Lord Byron  
and his highly  
educated wife,  
Anne Isabella,  
is sometimes  
called the  
world's first  
computer  
programmer**

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***and has  
become an  
icon for  
women in  
technology.  
But how did a  
young woman  
in the  
nineteenth  
century,  
without access  
to formal***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***school or  
university  
education,  
acquire the  
knowledge  
and expertise  
to become a  
pioneer of  
computer science?Although  
an unusual  
pursuit for***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**women at the  
time, Ada  
Lovelace  
studied**

**science and  
mathematics  
from a young  
age. This book  
uses  
previously  
unpublished  
archival**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***material to  
explore her  
precocious  
childhood,  
from her ideas  
for a steam-  
powered flying  
horse to  
penetrating  
questions  
about the  
science of***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***rainbows. A remarkable correspondence course with the eminent mathematician Augustus De Morgan shows her developing into a gifted, perceptive and knowledgeable***

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*Lovelace, Poet Of  
Science: The First  
Computer  
Programmer*

***e mathematici  
an. Active in  
Victorian  
London's  
social and  
scientific elite  
alongside  
Mary  
Somerville,  
Michael  
Faraday and  
Charles***

Page 47/217

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Dickens, Ada  
Lovelace  
became  
fascinated by  
the computing  
machines  
devised by  
Charles  
Babbage. The  
table of  
mathematical  
formulae***



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***sometimes  
called the  
'first  
programme'  
occurs in her  
paper about  
his most  
ambitious  
invention, his  
unbuilt  
'Analytical  
Engine'.Ada***

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*Lovelace, Poet Of  
Science: The First  
Computer  
Programmer*

**Lovelace died  
at just thirty-  
six, but her  
paper still  
strikes a chord  
to this day,  
with clear  
explanations  
of the  
principles of  
computing,  
and broader**

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Lovelace, Poet Of

Science: The First

Computer

Programmer

***ideas on  
computer  
music and  
artificial  
intelligence  
now realised  
in modern  
digital  
computers.  
Featuring  
images of the  
'first***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***programme'  
and Lovelace's  
correspondenc  
e, alongside  
mathematical  
models, and  
contemporary  
illustrations,  
this book  
shows how  
Ada Lovelace,  
with***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***astonishing  
prescience,  
explored key  
mathematical  
questions to  
understand  
the principles  
behind  
modern  
computing.  
Once upon a  
time a miller's***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**daughter was  
given an  
impossible  
task by a cruel  
and greedy  
king. She had  
to spin straw  
into gold. And  
who should  
show up to  
help her but  
an odd little**

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Science: The First  
Computer  
Programmer  
**man named Ru  
mpelstiltskin.**

**According to  
tradition, the  
gold-  
bedazzled king  
and the  
miller's  
daughter are  
wed. But wait  
just a minute!  
This king is**

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Science: The First  
Computer  
Programmer

**definitely not  
husband  
material, and  
there's**

**someone else  
who is -- a  
hardworking  
guy who's  
supportive  
and nice  
looking, and  
who really**



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
**comes through  
in a pinch.**

**Why not marry  
Rumpelstiltski  
n? In Diane  
Stanley's  
merry  
rethinking of  
the traditional  
tale, Rumpelst  
iltskin and the  
miller's**

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Science: The First  
Computer  
Programmer

**daughter are  
wed...and then  
sixteen years  
later their only  
daughter is  
stuck in the  
same  
dilemma:  
She's been  
locked in a  
room full of  
straw to spin**

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Science: The First  
Computer  
Programmer

**for a greedy  
king! She  
could call for  
help from her  
father, but  
this fairy-tale  
heroine has  
some canny  
plans of her  
own. How Rum  
pelstiltskin's  
daughter sets**

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Lovelace, Poet Of  
Science: The First  
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Programmer

***things to  
rights in the  
troubled  
kingdom,  
while  
achieving a  
unique place  
for herself,  
makes for a  
wise and witty  
tale of  
kindness and***

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Lovelace, Poet Of  
Science: The First  
Computer  
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**cleverness  
rewarded.**

**Diane**

**Stanley's**

**wickedly funny**

**text and zesty**

**illustrations**

**put a**

**delightful new**

**spin on a**

**classic fairy**

**tale. Rumpelst**

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Lovelace, Poet Of  
Science: The First  
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***iltskin's  
daughter may  
not be able to  
spin straw into  
gold, but she  
is more than a  
match for a  
monarch  
whose greed  
has blighted  
an entire  
kingdom.***

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**2000-2001  
Georgia's  
Picture  
Storybook  
Award &  
Georgia's  
Children's  
Book Award  
Masterlist  
01-02 Land of  
Enchantment  
Book Award**

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Science: The First  
Computer  
Programmer

**Masterlist (Gr.  
3-6) 99-00**

**Children's  
Book Award**

**Ada Lovelace  
Timeline**

**Grace Hopper  
Alfred Nobel**

**The Pen Pals  
Who Imagined  
the First  
Computer**



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Science: The First  
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Programmer

**An Elementary  
Treatise on  
Arithmetic  
Alice Waters  
Cooks Up a  
Food  
Revolution  
Dreaming in  
Code: Ada  
Byron  
Lovelace,  
Computer**

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**Pioneer**  
Science: The First

Computer  
Programmer  
ScienceThe

First Computer  
ProgrammerSimo  
n and Schuster

Ada Byron,  
Lady Lovelace,  
was one of the  
first to write  
programs for,

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
and predict  
the impact of,  
Charles  
Babbage's  
Analytical  
Engine in  
1843.

Beautiful and  
charming, she  
was often  
characterized  
as "mad and

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Lovelace, Poet Of  
bad" as was  
Science: The First  
her  
Computer  
Programmer

illustrious  
father. This e-  
book edition,  
Ada, the  
Enchantress of  
Numbers:  
Poetical  
Science,  
emphasizes  
Ada's unique

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talent of  
Science: The First  
integrating  
Computer  
imagination,  
Programmer  
poetry and

science. This  
edition  
includes all  
of Ada's  
fascinating  
letters to  
Charles  
Babbage, 55

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Programmer

pictures, and  
sidebars that  
encourages the  
reader to

follow Ada's  
pathway to the  
21st century.

"[Ada  
Lovelace],  
like Steve  
Jobs, stands  
at the

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Lovelace, Poet Of  
intersection  
Science: The First  
of arts and te  
Computer  
chnology."—Wal  
Programmer  
ter Isaacson,  
author of The  
Innovators  
Over 150 years  
after her  
death, a  
widely-used  
scientific  
computer

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Lovelace, Poet Of  
program was  
Science: The First  
named "Ada,"  
Computer  
after Ada  
Programmer  
Lovelace, the  
only  
legitimate  
daughter of  
the eighteenth  
century's  
version of a  
rock star,  
Lord Byron.



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Science: The First  
Computer  
Programmer

Why? Because,  
after computer  
pioneers such  
as Alan Turing  
began to  
rediscover  
her, it slowly  
became  
apparent that  
she had been a  
key but  
overlooked

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
figure in the  
invention of  
the computer.

In Ada

Lovelace,  
James Essinger  
makes the case  
that the  
computer age  
could have  
started two  
centuries ago

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

if Lovelace's  
contemporaries  
had recognized  
her research  
and fully  
grasped its  
implications.

It's a  
remarkable  
tale, starting  
with the  
outrageous

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Lovelace, Poet Of  
behavior of  
Science: The First  
her father,  
Computer  
which made Ada  
Programmer  
instantly  
famous upon  
birth. Ada  
would go on to  
overcome  
numerous  
obstacles to  
obtain a level  
of education

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Science: The First  
Computer  
Programmer

typically  
forbidden to  
women of her  
day. She would  
eventually  
join forces  
with Charles  
Babbage,  
generally  
credited with  
inventing the  
computer,

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although as  
Essinger makes  
clear, Babbage  
couldn't have  
done it  
without  
Lovelace.

Indeed,  
Lovelace wrote  
what is today  
considered the  
world's first

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Lovelace, Poet Of

computer progr

Science: The First

Computer

Programmer

am—despite

opposition

that the

principles of

science were

“beyond the

strength of a

woman’s

physical power

of

application.”

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

Based on ten years of research and filled with fascinating characters and observations of the period, not to mention numerous illustrations, Essinger tells



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Lovelace, Poet Of

Ada's

Science: The First

fascinating

Computer

story in

Programmer

unprecedented

detail to

absorbing and

inspiring

effect.

This

illuminating

biography

reveals how

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
the daughter  
of Lord Byron,  
Britain's most  
infamous

Romantic poet,  
became the  
world's first  
computer  
programmer.

Even by 1800s  
standards, Ada  
Byron Lovelace

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
had an unusual  
upbringing.

Her strict  
mother worked

hard at

cultivating

her own role

as the long-

suffering ex-

wife of bad-

boy poet Lord

Byron while

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
raising Ada in  
isolation.

Tutored by the  
brightest

minds, Ada  
developed a

hunger for  
mental

puzzles,  
mathematical

conundrums,  
and scientific

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

discovery that  
kept pace with  
the

breathhtaking  
advances of  
the industrial  
and social  
revolutions  
taking place  
in Europe. At  
seventeen, Ada  
met eccentric

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Lovelace, Poet Of  
inventor  
Science: The First  
Charles  
Computer  
Babbage, a  
Programmer  
kindred

spirit. Their  
ensuing  
collaborations  
resulted in  
ideas and  
concepts that  
presaged  
computer

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

programming by  
almost two  
hundred years,  
and Ada

Lovelace is  
now recognized  
as a pioneer  
and prophet of  
the  
information  
age. Award-  
winning author

Download File

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

Emily Arnold  
McCully opens  
the window on  
a peculiar and  
singular  
intellect,  
shaped – and  
hampered – by  
history,  
social norms,  
and family  
dysfunction.



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

The result is  
a portrait  
that is at  
once

remarkable and  
fascinating,  
tragic and  
triumphant.

Poetical

Science

The Thrilling  
Adventures of

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Lovelace, Poet Of  
Science: The First  
Babbage  
Computer  
I, ADA  
Programmer

Peaceful Acts

That Changed

Our World

A Novel of Ada

Lovelace

The Bride of

Science

Nothing

Stopped Sophie

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

A picture book biography of Ada Lovelace, the woman recognized today as history's first computer programmer—she imagined them 100 years before they existed! In the early nineteenth century lived Ada Byron: a young

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

girl with a wild and wonderful imagination. The daughter of internationally acclaimed poet Lord Byron, Ada was tutored in science and mathematics from a very early age. But Ada's imagination was

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Lovelace, Poet Of

Science: The First

Computer

Programmer

never meant to be tamed and, armed with the fundamentals of math and engineering, she came into her own as a woman of ideas—equal parts mathematician and philosopher. From her whimsical beginnings as a

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Lovelace, Poet Of

Science: The First  
most sophisticated

Computer  
notes on Charles

Programmer  
Babbage's

Analytical Engine,

this book

celebrates the

woman recognized

today as the first

computer

programmer. This

title has Common

Core connections.

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Lovelace, Poet Of  
Science: The First  
Books

“So much to like  
about this,  
including the folk  
art-style artwork  
with childlike  
appeal, the  
emphasis on the  
women who  
constructed the  
flag, and the  
important ways a

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
symbol can  
influence a  
country for  
generations."

—Booklist (starred  
review) From  
beloved author-  
illustrator Jessie  
Hartland comes a  
whimsical  
nonfiction picture  
book that tells the  
story of the



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

American flag that  
inspired the poem  
and our national  
anthem, "The Star-

Spangled Banner."

If you go to the  
Smithsonian in  
Washington, DC,  
you can see a  
massive American  
flag: thirty feet tall  
and forty-two feet  
long. That's huge!

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

But how did it get there? And where did it come from?

Well... The story of this giant flag begins in 1812 and stars a major on the eve of battle, a seamstress and her mighty helpers, and a poet named Francis Scott Key. This

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

isn't just the story  
of one flag. It's the  
story of "The Star  
Spangled-Banner,"  
a poem that  
became our  
national anthem,  
too. Dynamically  
told and  
stunningly  
illustrated, Jessie  
Hartland brings  
this fascinating

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Lovelace, Poet Of  
Science: The First  
and true story to  
life.

Computer  
Programmer  
The bold story of  
Katherine

Johnson, an  
African-American  
mathematician  
who worked for  
NASA during the  
space race and  
was depicted in  
the film Hidden  
Figures. You've

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

likely heard of the historic Apollo 13 moon landing. But do you know about the mathematical genius who made sure that Apollo 13 returned safely home? As a child, Katherine Johnson loved to count. She counted the steps on the road,

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Lovelace, Poet Of

Science: The First

Computer

Programmer

the number of  
dishes and spoons  
she washed in the  
kitchen sink,

everything!

Boundless,

curious, and

excited by

calculations,

young Katherine

longed to know as

much as she could

about math, about

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Lovelace, Poet Of

Science: The First

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the universe. From Katherine's early beginnings as a gifted student to her heroic accomplishments as a prominent mathematician at NASA, Counting on Katherine is the story of a groundbreaking American woman

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

who not only  
calculated the  
course of moon  
landings but, in  
turn, saved lives  
and made  
enormous  
contributions to  
history. Christy  
Ottaviano Books  
Celebrating the  
inventor of the  
Crayola crayon!



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Lovelace, Poet Of

Science: The First

Computer

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This gloriously illustrated picture book biography tells the inspiring story of Edwin Binney, the inventor of one of the world's most beloved toys. A perfect fit among favorites like *The Day the Crayons Quit* and *Balloons*

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Lovelace, Poet Of

Science: The First

Computer

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Over Broadway,  
purple mountains'  
majesty,  
mauveous, jungle  
green,  
razzmatazz... What  
child doesn't love  
to hold a crayon in  
their hands? But  
children didn't  
always have such  
magical boxes of  
crayons. Before

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

Edwin Binney set out to change things, children couldn't really even draw in color. Here's the true story of an inventor who so loved nature's vibrant colors that he found a way to bring the outside world to children -

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

in a bright green  
box for only a  
nickel! With  
experimentation,  
and a special  
knack for listening,  
Edwin Binney and  
his dynamic team  
at Crayola created  
one of the world's  
most enduring,  
best-loved  
childhood toys -

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Lovelace, Poet Of  
empowering  
Science: The First  
children to dream  
in COLOR!

Ada Lovelace

Cultures of  
Computing from  
the Victorian to the  
Digital Age

The Crayon Man

Ada Lovelace,  
Poet of Science

Ada Lovelace

*Page 109/217*

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Lovelace, Poet Of  
Cracks the Code  
The Story of  
Elizabeth  
Blackwell

***As featured on  
Humans of New  
York “Hartland’s  
joyful folk-art  
illustrations bop  
from the gray-  
toned jazzy  
vibrancy of a***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***bustling city  
neighborhood to  
the colorful  
harvest of a lush  
urban farm.”***

***—The New York  
Times “An  
inspiring picture  
book for  
youngsters with  
meaningful ties  
to the***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
**environment,  
sustainability,  
and community  
engagement.”**

**—Booklist**

**?Discover the  
incredible true  
story of Harlem  
Grown, a lush  
garden in New  
York City that  
grew out of an**



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***abandoned lot  
and now feeds a  
neighborhood.  
Once In a big city  
called New York  
In a bustling  
neighborhood  
There was an  
empty lot.  
Nevaeh called it  
the haunted  
garden. Harlem***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Grown tells the  
inspiring true  
story of how one  
man made a big  
difference in a  
neighborhood.***

***After seeing how  
restless they  
were and their  
lack of healthy  
food options,***

***Tony Hillery***

Page 114/217

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***invited students  
from an  
underfunded  
school to turn a  
vacant lot into a  
beautiful and  
functional farm.  
By getting their  
hands dirty,  
these kids turned  
an abandoned  
space into***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***something  
beautiful and  
useful while  
learning about  
healthy,  
sustainable  
eating and  
collaboration.  
Five years later,  
the kids and their  
parents, with the  
support of the***

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PDF Ada

Lovelace, Poet Of  
Science; The First  
Computer  
Programmer

***Harlem Grown  
staff, grow  
thousands of  
pounds of fruits  
and vegetables a  
year. All of it is  
given to the kids  
and their families.  
The incredible  
story is vividly  
brought to life  
with Jessie***

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PDF Ada

Lovelace, Poet Of

Science: The First

Computer

Programmer

**Hartland's**

***“charmingly busy***

***art” (Booklist)***

***that readers will***

***pore over in***

***search of new***

***details as they***

***revisit this***

***poignant and***

***uplifting tale over***

***and over again.***

***Harlem Grown is***

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***an independent,  
not-for-profit  
organization. The  
author's share of  
the proceeds  
from the sale of  
this book go  
directly to Harlem  
Grown.***

***An inspiring,  
empowering,  
fantastically***

Download File

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*Lovelace, Poet Of  
Science: The First  
Computer  
Programmer*  
**feminist and  
totally true story,  
perfect for fans of  
Little People, Big  
Dreams and  
Goodnight  
Stories for Rebel  
Girls! Meet the  
remarkable Ada  
Lovelace:  
rebellious rule-  
breaker and**



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PDF Ada

*maths whizz-kid.  
Growing up in the  
shadow of her  
eccentric  
superstar father,  
the poet Lord  
Byron, and under  
the eye of her  
strict mother,  
Ada spends her  
time inventing  
and designing*

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***flying machines  
and studying her  
favourite subject  
- maths. In Ada's  
time, girls aren't  
encouraged to  
pursue maths,  
physics or  
engineering as  
they're  
considered not  
clever enough***

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PDF Ada

*but Ada doesn't  
let this stop her.  
Once she grows  
up, Ada meets  
the famous  
inventor and  
engineer Charles  
Babbage, who  
introduces her to  
a truly  
extraordinary  
machine ... one*

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***that will test  
Ada's powers of  
logic and  
imagination, and  
establish her as  
the world's very  
first computer  
programmer!***

***This is the  
absolutely  
astonishing,  
fantastically***

Download File

PDF Ada

*Lovelace, Poet Of  
Science: The First  
Computer  
Programmer*

***feminist and, best  
of all, totally true  
story of one  
amazingly  
determined  
young lady!  
Ada's Legacy  
illustrates the  
depth and  
diversity of  
writers, thinkers,  
and makers who***

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***have been  
inspired by Ada  
Lovelace, the  
English***

***mathematician  
and writer. The  
volume, which  
commemorates  
the bicentennial  
of Ada's birth in  
December 1815,  
celebrates***

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*Lovelace's many achievements as well as the impact of her life and work, which reverberated widely since the late nineteenth century. In the 21st century we have seen a resurgence in*

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Lovelace  
scholarship,  
thanks to the  
growth of  
interdisciplinary  
thinking and the  
expanding  
influence of  
women in  
science,  
technology,  
engineering and***



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Lovelace, Poet Of  
**mathematics.**

**Ada's Legacy is  
a unique  
contribution to  
this scholarship,  
thanks to its  
combination of  
papers on Ada's  
collaboration  
with Charles  
Babbage, Ada's  
position in the**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***Victorian and  
Steampunk  
literary genres,  
Ada's  
representation in  
and inspiration of  
contemporary art  
and comics, and  
Ada's continued  
relevance in  
discussions  
around gender***

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Lovelace, Poet Of  
Science: The First  
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Programmer

***and technology  
in the digital age.***

***With the 200th  
anniversary of  
Ada Lovelace's  
birth on***

***December 10,  
2015, we believe  
that the timing is  
perfect to publish  
this collection of  
papers. Because***

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PDF Ada

*of its broad focus  
on subjects that  
reach far beyond  
the life and work  
of Ada herself,  
Ada's Legacy  
will appeal to  
readers who are  
curious about  
Ada's enduring  
importance in  
computing and*

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***the wider world.  
Almost everyone  
has heard of the  
Nobel Prize, a  
collection of  
prizes awarded  
for  
accomplishments  
in science,  
medicine,  
literature, and  
peace. But few***

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Science: The First  
Computer  
Programmer

***people know  
about the man  
who established  
the award and for  
whom it is  
named, Alfred  
Nobel. Alfred  
Nobel was born  
in Sweden in  
1833. A quick and  
curious mind,  
combined with a***

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Science: The First  
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***love of science  
and chemistry,  
drove him to  
invent numerous  
technological  
devices  
throughout his  
long life. But he  
is perhaps most  
well known for  
his invention of  
dynamite.***

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Science: The First  
Computer  
Programmer

***Intending it to  
help safely  
advance road and  
bridge***

***construction,  
Nobel saw his  
most famous  
invention used in  
the development  
of military  
weaponry. After a  
newspaper***



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Science: The First  
Computer  
Programmer

***headline  
mistakenly  
announces his  
death, Nobel was  
inspired to leave  
a legacy of  
another sort. The  
Man Behind the  
Peace Prize tells  
the story of the  
enduring legacy  
of Alfred***

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Science: The First  
Computer  
Programmer

***Nobel.Kathy-jo  
Wargin is the  
bestselling  
author of more  
than 30 books for  
children. Among  
her many awards  
for her work are  
an International  
Reading  
Association  
Children's Choice***

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Science: The First  
Computer  
Programmer

***Award for The  
Legend of the  
Loon and an IRA  
Teachers' Choice  
Award for Win***

***One for the  
Gipper. She lives  
in the Great  
Lakes area.***

***Zachary Pullen's  
character-  
oriented picture***

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

***book illustrations  
have won awards  
and garnered  
starred reviews.***

***He has been  
honored several  
times with  
acceptance into  
the prestigious  
Society of  
Illustrators juried  
shows and***

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Science: The First  
Computer  
Programmer

***Communication  
Arts Illustration  
Annual of the  
best in current  
illustration.***

***Zachary lives in  
Wyoming.***

***A Short Timeline  
of Ada Lovelace  
Lexie the Word  
Wrangler***

***The Story of***

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Science: The First  
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Programmer

***Unshakable  
Mathematician  
Sophie Germain  
The Making of a  
Computer  
Scientist  
The True Story of  
Mary Pickersgill  
and the Star-  
Spangled Banner  
Scientists and  
Their Poetry***

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**Who Says  
Women Can't Be  
Doctors?**

Ada Lovelace

(1815–1852) was

the daughter of

Lord Byron, a poet,

and Anna Isabella

Milbanke, a

mathematician. Her

parents separated

when she was

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

young, and her  
mother insisted on a  
logic-focused  
education, rejecting  
Byron ' s “ mad ”  
love of poetry. But  
Ada remained  
fascinated with her  
father and  
considered  
mathematics  
“ poetical  
science. ” Via her



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Science: The First  
Computer  
Programmer

friendship with  
inventor Charles  
Babbage, she  
became involved in  
“ programming ”  
his Analytical  
Engine, a precursor  
to the computer,  
thus becoming the  
world ’ s first  
computer  
programmer. This  
picture book

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Science: The First  
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biography of Ada  
Lovelace is a  
compelling portrait  
of a woman who  
saw the potential  
for numbers to  
make art.

Scientists,  
Mathematicians,  
and Inventors  
provides  
biographies of 200  
men and women

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Science: The First  
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who changed the world by leaving lasting legacies in the fields of science, mathematics, and scientific invention. It fills a gap in the biographical reference shelf by offering far more than basic facts about a scientist's life and work: each

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entry describes not only the immediate effects of the individual's discoveries, but also his or her impact on later scientific findings.

As a new wave of protests sweeps the nation and the world, young readers will be

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Science: The First  
Computer  
Programmer

inspired by these  
accounts of activists  
who refused to be

ignored. "This book  
is right on

time."--Nikki Grimes,  
Children's

Literature Legacy  
Medal Winner From  
music to marches,  
from sit-ins to walk-  
outs, activists  
throughout history

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have defended the disenfranchised and demanded reform, refusing to back down even in the face of violent oppression and overwhelming opposition. Today, a new generation of activists has arisen, speaking up in unprecedented

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numbers against  
systemic  
oppression, bias,  
and injustice.

Resist!, a collection  
of 21 brief but  
comprehensive  
essays accompanied  
by striking artwork  
and rich  
supplementary  
material by Diane  
Stanley, reminds us

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of the activists who  
came before: the  
men and women  
who have used  
peaceful resistance  
and non-violent  
protests to make  
their voices heard.

Featured figures  
include: Harriet  
Tubman, Elizabeth  
Cady Stanton,  
Woody Guthrie,



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Mohandas Gandhi,  
Irena Sendler, The  
Hollywood Ten,  
Claudette Colvin  
and Rosa Parks,  
Ruth Bader  
Ginsburg, The  
Greensboro Lunch  
Counter Sit-in  
protestors, Martin  
Luther King, Jr.,  
Larry Itliong,  
Dolores Huerta,

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Cesar Chavez,

Richard Oakes, The

Tree-Sitters of

Pureora, Father Luis

Olivares, Tank Man,

Nelson Mandela,

Ryan White, Ai

Weiwei, the "It Gets

Better" Project, The

March For Our

Lives protestors,

and Greta

Thunberg. Diane

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Science: The First  
Computer  
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Stanley, award-winning author and illustrator of many distinctive informational books for young people writes with passion and conviction of the world's greatest activists, past and present, in this book which is as hopeful as it is inspiring.

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Science: The First  
Computer  
Programmer

ALA NOTABLE  
BOOK AMELIA  
BLOOMER TOP TEN  
BOOK “ Stanley has

been delighting and  
informing readers  
with her  
biographies for  
years, and here, her  
considerable talents  
are once again on di  
splay...Hartland ' s  
charmingly busy

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

art, reminiscent of  
Maira Kalman 's  
work, is full of  
wit.” —Booklist

(starred review)

From nonfiction  
stars Diane Stanley  
and Jessie Hartland  
comes a beautifully  
illustrated

biography of Ada  
Lovelace, who is  
known as the first

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Lovelace, Poet Of

computer  
Science: The First

programmer. Two

hundred years ago,

a daughter was

born to the famous

poet, Lord Byron,

and his

mathematical wife,

Annabella. Like her

father, Ada had a

vivid imagination

and a creative gift

for connecting ideas

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

in original ways.  
Like her mother,  
she had a passion  
for science, math,  
and machines. It  
was a very good  
combination. Ada  
hoped that one day  
she could do  
something  
important with her  
creative and nimble  
mind. A hundred

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Science: The First  
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years before the dawn of the digital age, Ada Lovelace envisioned the computer-driven world we know today. And in demonstrating how the machine would be coded, she wrote the first computer program. She would go down in history



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Lovelace, Poet Of  
Science: The First  
Computer  
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as Ada Lovelace, the first computer programmer. Diane Stanley ' s lyrical writing and Jessie Hartland ' s vibrant illustrations capture the spirit of Ada Lovelace and bring her fascinating story vividly to life. The First Computer Programmer

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
Ada Byron Lovelace  
and the Thinking  
Machine

Counting on

Katherine: How

Katherine Johnson

Saved Apollo 13

The True Story of

the Invention of

Crayola Crayons

Queen of Computer

Code

The Man Behind the

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Lovelace, Poet Of  
Peace Prize  
Enchantress of  
Numbers

From the team behind  
the acclaimed Ada  
Lovelace, Poet of  
Science comes a  
delicious nonfiction  
picture book biography  
about pioneering chef  
Alice Waters who  
kickstarted the organic  
food movement.

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Lovelace, Poet Of

Science: The First

Computer

Programmer

Whenever young Alice Waters tasted something delicious, like the sun-warmed berries from her family's garden or a crisp, ripe apple picked straight from the tree, she would remember it for the rest of her life.

Later, as she tasted many more wonderful foods, she realized what made them so good—they were fresh and ripe,

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Lovelace, Poet Of  
Science: The First  
gown or made the old-  
fashioned way. When

Alice grew up, she  
opened a restaurant  
called Chez Panisse. As  
part of her quest to  
make delicious food,  
Alice sought out small,  
local farmers to provide  
the meat, dairy, and  
produce. The restaurant  
made her famous, but it  
did much more than  
that—it started a food

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Lovelace, Poet Of  
Science: The First  
Programmer  
revolution. Today, home  
cooks and chefs alike  
are all discovering the  
simple secret to the  
Best! Food! Ever! This  
book is a celebration of  
food, cooking, and the  
woman whose curiosity  
and devotion to flavor  
kickstarted America's  
interest in buying local,  
organic food.

The early life of Ada  
Lovelace, the 19th-

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

century mathematician  
who is considered by  
many to be the world's  
first computer  
programmer. Ada Byron  
is rich and clever, but  
she longs to be free.

Free to explore all the  
amazing ideas that come  
to her imagination, like  
flying mechanical  
horses and stories  
inspired by her travels.

Free to find love and

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer  
passion beyond the  
watchful gaze of her  
mother and governesses.

Programmer  
And free to learn the full  
truth about her father,  
the notorious Lord  
Byron. Then Ada meets  
a man whose invention  
might just change the  
world - and he needs her  
visionary brilliance to  
bring it to life . . . A  
wonderfully witty and  
poignant portrayal of the



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Lovelace, Poet Of  
young life of Ada  
Science: The First  
Lovelace, the 19th-  
century mathematician  
Programmer  
who is hailed as the  
world's first computer  
programmer.

□ Cherished Reader,  
Should you come upon  
Enchantress of Numbers  
by Jennifer  
Chiaverini...consider  
yourself quite fortunate  
indeed....Chiaverini  
makes a convincing case

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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer Programmer  
that Ada Byron King is  
a woman worth  
celebrating. USA

Today New York Times  
bestselling author  
Jennifer Chiaverini  
illuminates the life of  
Ada Byron King,  
Countess of  
Lovelace—Lord Byron's  
daughter and the world's  
first computer  
programmer. The only  
legitimate child of Lord

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Lovelace, Poet Of

Science: The First

Computer of the

Romantic poets, Ada

was destined for fame

long before her birth.

But her mathematician

mother, estranged from

Ada's infamous and

destructively passionate

father, is determined to

save her only child from

her perilous Byron

heritage. Banishing fairy

Download File

PDF Ada

Lovelace, Poet Of  
Science: The First  
Computer Programmer

tales and make-believe from the nursery, Ada's mother provides her daughter with a rigorous education grounded in mathematics and science. Any troubling spark of imagination—or worse yet, passion or poetry—is promptly extinguished. Or so her mother believes. When Ada is introduced into London society as a

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Lovelace, Poet Of  
Science: The First

highly eligible young  
heiress, she at last

discovers the

Programmer  
intellectual and social

circles she has craved

all her life. Little does

she realize how her

exciting new friendship

with Charles

Babbage—the brilliant,

charming, and

occasionally

curmudgeonly inventor

of an extraordinary

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
machine, the Difference  
Engine will define her  
destiny. Enchantress of  
Numbers unveils the  
passions, dreams, and  
insatiable thirst for  
knowledge of a largely  
unheralded pioneer in  
computing a young  
woman who stepped out  
of her father's shadow  
to achieve her own  
laurels and champion  
the new technology that

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Lovelace, Poet Of  
Science: The First  
New, in the My First  
Little People, Big  
Dreams series:

Introduce your littlest one to the world's first computer programmer, Ada Lovelace. Told in simple sentences, this young reader edition of the best-selling series is perfect to read out loud to little dreamers. This empowering series

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Lovelace, Poet Of  
Science: The First

Computer Programmer  
celebrates the important  
life stories of wonderful  
women of the world ☐

and is now in available

in a board format for

little hands! These

books make the lives of

these role models

accessible for the

youngest children,

providing a powerful

message to inspire the

next generation of

outstanding people who



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Lovelace, Poet Of  
Science: The First  
will change the world!  
The Story of Ada

Lovelace, the World's

First Computer

Programmer

Ada's Algorithm

Resist!

Ada's Legacy

Our Flag Was Still

There

Scientists,

Mathematicians and

Inventors

Rumpelstiltskin's

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Lovelace, Poet Of

Daughter

Science: The First

Computer

Programmer

discover the

inspiring story

of Ada Lovelace,

who wrote the

world's first

computer

program. In

1833, Ada

Lovelace met

mathematician

Charles Babbage,

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Lovelace, Poet Of  
Science: The First  
inventor of  
calculating  
machines. She

went on to  
Programmer  
devise a way of  
inputting data  
into Babbage's  
Analytical  
Machine, and in  
doing so became  
the first ever  
computer  
programmer. In  
this biography

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Lovelace, Poet Of  
Science: The First  
Computer Programmer  
book for 8-11  
year olds, learn  
all about Ada  
Lovelace's  
fascinating  
life, including  
her famous  
father  
(celebrated poet  
Lord Byron), her  
talent for  
languages and  
mathematics, and  
her predictions

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Lovelace, Poet Of

Science: The First

Computer

Programmer

for how  
computers could  
change our  
lives. This new  
biography series  
from DK goes  
beyond the basic  
facts to tell  
the true life  
stories of  
history's most  
interesting  
people. Full-  
color

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Lovelace, Poet Of  
Science: The First  
photographs and  
hand-drawn

illustrations

complement

thoughtfully

written, age-

appropriate text

to create an

engaging book

children will

enjoy reading.

Definition

boxes,

information

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Science: The First  
Computer  
Programmer  
sidebars, maps,  
inspiring  
quotes, and  
other nonfiction  
text features  
add depth, and a  
handy reference  
section at the  
back makes this  
the one  
biography series  
every teacher  
and librarian  
will want to

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
collect. Each  
book also  
includes an  
author's  
introduction  
letter, a  
glossary, and an  
index.

This is a  
children's book  
biography of  
Grace Hopper,  
who played a  
prominent role



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PDF Ada

Lovelace, Poet Of  
Science: The First  
Computers. - -

Programmer  
Charles Babbage  
and Ada Byron  
met in 1833. He  
was a widowed fo  
rty-two-year-old  
scientist and  
inventor, who  
was trying to  
figure out how  
to get his  
Difference

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PDF Ada

Lovelace, Poet Of  
Engine built.

Science: The First  
Computer  
She was the eight  
teen-year-old

Programmer  
daughter of the  
poet Lord Byron  
and Lady

Annabella Byron,  
whose marriage  
had

disintegrated in  
Ada's youth.

Through  
thoughtful  
narrative

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
accompanied by  
direct quotes,  
readers will  
learn how in  
Babbage's plans  
for the  
Analytical  
Engine and  
Lovelace's  
algorithm lies  
the foundation  
of the computer  
hardware and  
software that

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

would not be  
developed for  
another hundred  
plus years.

Sidebar, a  
chronology, and  
a further  
reading list  
provide more  
information on  
this  
inspirational  
collaboration.  
Chris Riddell's

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Lovelace, Poet Of  
Science: The First

Goth Girl and  
the Ghost of a  
Mouse is the

beautifully

illustrated

winner of the

Costa Children's

Book Award. Full

of adventure and

dark humour,

it's perfect for

all young Goths!

Ada Goth is the

only child of

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Lovelace, Poet Of  
Science: The First  
Computer Programmer

Lord Goth. The two live together in the enormous Ghastly-Gorm Hall. Lord Goth believes that children should be heard and not seen, so Ada has to wear large clumpy boots so that he can always hear her coming. This

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

makes it hard  
for her to make  
friends and, if  
she's honest,  
she's rather  
lonely. Then one  
day William and  
Emily Cabbage  
come to stay at  
the house and,  
together with a  
ghostly mouse  
called Ishmael,  
the three

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Science: The First  
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children begin  
to unravel a  
dastardly plot  
that Maltravers,  
the mysterious  
indoor  
gamekeeper, is  
hatching. Ada  
and her friends  
must work  
together to foil  
Maltravers  
before it's too  
late! Continue



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PDF Ada

Lovelace, Poet Of  
Science: The First  
Programmer  
this deliciously  
dark series with  
Goth Girl and  
the Fete Worse  
Than Death and  
Goth Girl and  
the Wuthering  
Fright.

Taken

Principally from  
the Arithmetic  
of S.F. Lacroix,  
and Translated  
from the French

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Lovelace, Poet Of

Science: The First

Programmer

with Such

Alterations and

Additions as

Were Found

Necessary in

Order to Adapt

it to the Use of

American

Students

My First Ada

Lovelace

A Selection from

the Letters of

Lord Byron's

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Lovelace, Poet Of  
Daughter and Her  
Description of  
the First

Computer  
Programmer

The

Fantastically

Feminist (and

Totally True)

Story of the

Mathematician

Extraordinaire

The (Mostly)

True Story of

the First

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Lovelace, Poet Of

Computer

Sonnet to The First

Science

Goth Girl and

the Ghost of a

Mouse

**In the 1830s,**

**when a brave and**

**curious girl**

**named Elizabeth**

**Blackwell was**

**growing up,**

**women were**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**supposed to be  
wives and  
mothers. Some  
women could be  
teachers or  
seamstresses,  
but career  
options were few.  
Certainly no  
women were  
doctors. But  
Elizabeth refused  
to accept the**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**common beliefs that women weren't smart enough to be doctors, or that they were too weak for such hard work. And she would not take no for an answer. Although she faced much opposition, she**

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Science: The First  
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**worked hard and finally—when she graduated from medical school and went on to have a brilliant career—proved her detractors wrong. This inspiring story of the first female doctor shows how one strong-**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer  
**willed woman  
opened the doors  
for all the female  
doctors to come.**

**Who Says Women  
Can't Be Doctors?**

**by Tanya Lee**

**Stone is an NPR**

**Best Book of**

**2013 This title**

**has common core  
connections.**

**Toole did**



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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**research for more  
than eight years,  
burying herself in  
British archives  
and libraries to  
narrate and edit  
this  
extraordinary  
collection of  
letters written by  
Ada Lovelace.  
Not only do they  
outline Ada's**

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Science: The First  
Computer  
Programmer

**ingenuity for the  
sciences, but  
they also**

**enlighten us on  
all aspects of**

**Lady Lovelace's  
multidimensional  
life: her**

**passionate desire  
to flourish in a  
"man's world,"**

**her battle with  
drug addiction**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**and chronic  
sickness, and her  
efforts as a  
mother and wife.  
Lovelace also had  
a reputation as a  
wild gambler and  
a lover. Ada was  
one of the first to  
write programs of  
instructions for  
Babbage's  
Analytical**

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Lovelace, Poet Of  
Science: The First

**Engines, the  
famous  
precursors to the**

**modern digital  
computer. Ada's**

**letters are some  
of the classic**

**founding**

**documents of  
cybernetics and**

**computer**

**science, written**

**nearly a century**

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Science: The First  
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Programmer

**before ENIAC.  
This is a short  
timeline of Ada  
Lovelace.**

**Ada Lovelace, the  
daughter of Lord  
Byron was born  
in 1815 just after  
the Battle of  
Waterloo, and  
died aged 36,  
soon after the  
Great Exhibition**

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Science: The First  
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Programmer

**of 1851. She was  
connected with  
some of the most  
influential and  
colourful  
characters of the  
age: Charles  
Dickens, Michael  
Faraday, Charles  
Darwin and  
Charles Babbage.  
It was her work  
with Babbage**

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Science: The First  
Computer  
Programmer

**that led to her  
being credited  
with the  
invention of  
computer  
programming and  
to her name  
being adopted for  
the programming  
language that  
controls the US  
military machine.  
Ada personified**

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Science: The First  
Computer  
Programmer

**the seismic  
historical  
changes taking  
place over her  
lifetime. This was  
the era when  
fissures began to  
open up in  
culture: romance  
split away from  
reason, instinct  
from intellect, art  
from science. Ada**



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Lovelace, Poet Of

Science: The First

Computer

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**came to embody  
these new  
polarities and her  
life heralded a  
new era: the  
machine age.  
Reissued to  
coincide with the  
bicentenary of  
Ada's birth, The  
Bride of Science  
is a fascinating  
examination of**

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Lovelace, Poet Of

Science: The First

Computer

Programmer

**an extraordinary  
life offering  
devastating  
insight into the  
seemingly  
unbridgeable gulf  
between art and  
science, the  
consequences of  
which are still  
with us today.**

**In Byron's Wake:  
The Turbulent**

*Page 210/217*

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Science: The First

Computer

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**Lives of Lord  
Byron's Wife and  
Daughter:  
Annabella  
Milbanke and Ada  
Lovelace  
A Symposium on  
Digital  
Computing  
Machines  
How One Big Idea  
Transformed a  
Neighborhood**

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Science: The First  
Computer  
Programmer

**DK Life Stories**  
**Ada Lovelace**  
**Ada's Ideas**

This clever  
celebration of words  
and their meanings  
features a strong  
cowgirl who  
wrangles words  
alongside cattle.  
Lexie is the best  
wrangler west of the  
**Mississippi—word**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**wrangler, that is. She  
watches over baby  
letters while they  
grow into words and  
ties shorter words  
together into longer  
ones; she herds  
words into sentences,  
hitches sentences  
together, and pens  
them all in to tell a  
story. But lately,  
something seems off**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**at the ranch. First  
the d goes missing  
from her bandana,  
leaving her with a  
banana to tie around  
her neck, and soon  
afterward every S-T-  
A-R in the sky turns  
into R-A-T-S.**

**There's no doubt  
about it—there's a  
word rustler causing  
this ruckus, and**

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Lovelace, Poet Of  
Science: The First  
Computer  
Programmer

**Lexie plans to track  
him down . . . even if  
it means riding her  
horse through the  
sticky icing of a  
desert that's  
suddenly become a  
giant dessert. This  
fantastic spin on  
"cowboy" stories  
populates Lexie's  
ranch with lively  
letters and words,**

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Science: The First

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**alongside the typical  
cattle and horses,  
and stars a smart,  
confident,**

**charismatic heroine.**

**Rebecca Van Slyke's**

**creative, silly**

**wordplay pairs**

**perfectly with Jessie**

**Hartland's lively**

**illustrations, and**

**there's even a**

**glossary of helpful**



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Science: The First  
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Programmer

**terms for up-and-coming word wranglers.**

**"A fascinating look at Ada Lovelace, the pioneering computer programmer and the daughter of the poet Lord Byron." --**