### Ada Lovelace

Christopher Hollings, Ursula Martin, Adrian Clifford Rice

**Ada Lovelace, Poet of Science** Diane Stanley,2016-10-04 A fascinating look at Ada Lovelace, the pioneering computer programmer and the daughter of the poet Lord Byron. --

Ada Byron Lovelace and the Thinking Machine Laurie Wallmark,2015 Offers an illustrated telling of the story of Ada 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 Charles Babbage's analytical engine.

Ada Lovelace Christopher Hollings, Ursula Martin, Adrian Clifford Rice, 2018 Ada, Countess of Lovelace and daughter of Romantic poet Lord Byron, is sometimes referred to as the world's first computer programmer. But how did a young woman in the nineteenth century without a formal education become a pioneer of computer science? Drawing on previously unpublished archival material, including a remarkable correspondence course with eminent mathematician Augustus De Morgan, this book explores Ada Lovelace's development from her precocious childhood into a gifted, perceptive and knowledgeable mathematician who, alongside Mary Somerville, Michael Faraday and Charles Dickens, became part of Victorian London's social and scientific elite. Featuring images of the 'first programme' together with mathematical models and contemporary illustrations, the authors show how, despite her relatively short life and with astonishing prescience, Ada Lovelace explored key mathematical questions to understand the principles behind modern computing.--Page 4 de la couverture.

Ada Lovelace (The First Names Series) Ben Jeapes,2020-03-31 Now in paperback, meet the woman who made coding cool—and possible Before she was a famous mathematician and the first computer programmer, Ada Lovelace was the daughter of the famous Lord Byron. Byron died when Ada was very young, and Ada's mother encouraged her interest in mathematics in an attempt to prevent Ada from turning into a melancholy poet like her father. Ada grew up and married a count, and as a countess, she was given access to some of England's greatest scientists and authors, including Charles Babbage, who was working to develop an analytical engine. Seeing the potential in computers, Ada partnered with Charles and used her mathematical skills to create an algorithm that could make such a machine possible. Fascinating and lively, Ada Lovelace tells the story of the woman who helped pioneer computing! It includes a timeline, a glossary, and an index. First Names is a highly illustrated nonfiction series that puts readers on a first-name basis with some of the most incredible people in history and of today!

Ada Lovelace Maria Isabel Sanchez Vegara,2018-03-01 Meet Ada Lovelace, the British mathematician and daughter of poet Lord Byron. Part of the beloved Little People, BIG DREAMS series, this inspiring and informative little biography follows the colorful life of Lord Byron's daughter, from her early love of logic, to her plans for the world's first computer program. As a child, Ada had a big imagination and a talent for mathematics. She grew up in a noble household in England, where she dedicated herself to studying. Her work with the famous inventor, Charles Babbage, on a very early kind of computer made her the world's first computer programmer. This moving book features stylish and quirky illustrations and extra facts at the back, including a biographical timeline with historical images and a detailed profile of the mathematician's life. Little People, BIG DREAMS is a best-selling series of books and educational games that explore the lives of outstanding people, from designers and artists to scientists and activists. All of them achieved incredible things, yet each began life as a child with a dream. This empowering series offers inspiring messages to children of all ages, in a range of formats. The board books are told in simple sentences, perfect for reading aloud to babies and toddlers. The hardcover versions present expanded stories for beginning readers. Boxed gift sets allow you to collect a selection of the books by theme. Paper dolls,

learning cards, matching games, and other fun learning tools provide even more ways to make the lives of these role models accessible to children. Inspire the next generation of outstanding people who will change the world with Little People, BIG DREAMS!

Ada's Ideas Fiona Robinson, 2016-08-02 Ada Lovelace (1815–1852) was the daughter of Lord Byron, a poet, and Anna Isabella Milbanke, a mathematician. Her parents separated when she was 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 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 biography of Ada Lovelace is a compelling portrait of a woman who saw the potential for numbers to make art.

Ada Lovelace Cracks the Code Rebel Girls, 2019-11-12 From the world of Good Night Stories for Rebel Girls comes a story based on the exciting real-life adventures of Ada Lovelace, one of the 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 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! 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 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 computer sciences, and a testament to women's invaluable contributions to STEM throughout history. This historical fiction chapter book also includes additional text on Ada Lovelace's lasting legacy, as well as educational activities designed to teach simple coding and mathematical concepts. About the Rebel Girls Chapter Book Series Meet extraordinary real-life heroines in the Good Night Stories for Rebel Girls chapter book series! Introducing stories based on the lives and times of extraordinary women in global history, each stunningly designed chapter book features beautiful illustrations from a female artist as well as bonus activities in the backmatter to encourage kids to explore the various fields in which each of these women thrived. The perfect gift to inspire any young reader!

Ada's Algorithm James Essinger, 2014-10-14 "[Ada Lovelace], like Steve Jobs, stands at the intersection of arts and technology.—Walter Isaacson, author of The Innovators Over 150 years after her death, a widely-used scientific computer program was named "Ada," after Ada Lovelace, the only legitimate daughter of the eighteenth century's version of a rock star, Lord Byron. 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 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 if Lovelace's contemporaries had recognized her research and fully grasped its implications. It's a remarkable tale, starting with the outrageous behavior of her father, which made Ada instantly famous upon birth. Ada would go on to overcome numerous obstacles to obtain a level of education typically forbidden to women of her day. She would eventually join forces with Charles Babbage, generally credited with inventing the computer, although as Essinger makes clear, Babbage couldn't have done it without Lovelace. Indeed, Lovelace wrote what is today considered the world's first computer program—despite opposition that the principles of science were "beyond the strength of a woman's physical power of application." Based on ten years of research and filled with fascinating characters and observations of the period, not to mention numerous illustrations, Essinger tells Ada's fascinating story in unprecedented detail to absorbing and inspiring effect.

A Female Genius James Essinger,2014 Ada Lovelace was the only legitimate child of Lord Byron, the dangerous romantice poet whose name became a byword for scandal. Over the past decades, she herself has become a surprising underground star for digital pioneers all over the world, starting with Alan Turing. Embraced by programmers and women intechnology, Ada even has her own day that is commemorated every year on Google's search engine.

Ada Lovelace Avery Elizabeth Hurt,2017-12-15 Born the daughter of well-established poet Lord Byron, Ada Lovelace would change history as one of the first modern female mathematicians and the programmer of Charles Babbage's Analytical Engine. This is the story of her life, her amazing achievements, her death, and her footprint on history.

"Written with grace and intelligence, researched with care. . . . Sure to inspire a new generation of pioneers." —Shelf Awareness (starred review) This illuminating biography reveals how 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 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 raising Ada in isolation. Tutored by the brightest minds, Ada developed a hunger for mental puzzles, mathematical conundrums, and scientific discovery that kept pace with the breathtaking advances of the industrial and social revolutions taking place in Europe. At seventeen, Ada met eccentric inventor Charles Babbage, a kindred spirit. Their ensuing collaborations resulted in ideas and concepts that presaged computer programming by almost two hundred years, and Ada Lovelace is now recognized as a pioneer and prophet of the information age. Award-winning author Emily Arnold McCully opens the window on a peculiar and singular intellect, shaped — and hampered — by history, social norms, and family dysfunction. The result is a portrait that is at once remarkable and fascinating, tragic and triumphant.

Ada Lovelace Shanee Edwards,2019-03-06 Ada Lovelace: the Countess who Dreamed in Numbers' is a carefully researched novel that tells the astonishing story of the real-life young woman who saw the coming of the computer age nearly a century before it occurred. Feisty, rebellious and beautiful, Ada Lovelace, born Ada Byron (1815-1852), was also a genius known for writing the very first computer programs. The only legitimate daughter of poet Lord Byron, a man exiled from England for his scandalous poetry, wild sexual exploits and gambling debts, Ada inherited her father's imagination - much to her mother's horror. Desperate to keep her daughter respectable, Lady Byron tutored Ada rigorously in mathematics, hoping to quash any creative impulses her daughter might have. Ada's life grows more complicated when Lord Byron apparently returns to England. She's thrilled when her father begins to visit her in secret, but will he help or hurt Ada's dream of being recognized as a true scientist?

Programming Pioneer Ada Lovelace Valerie Bodden,2016-08-01 Do you enjoy playing computer games or learning programming code? As a child, Ada Lovelace loved learning about math and science. As an adult, she used that knowledge to create the first computer program—before electronic computers even existed! When Lovelace was a child, girls didn't typically study math. But she loved the subject and often dreamed about new machines. Lovelace learned from famous mathematicians and became friends with inventor and engineer Charles Babbage. Realizing the full potential of his calculating machines, she became a pioneer of computer programming. But how did she get there? Find out how Lovelace's determination helped her become the first computer programmer.

Enchantress of Numbers Jennifer Chiaverini,2018-11-27 "Cherished Reader, Should you come upon Enchantress of Numbers by Jennifer Chiaverini...consider yourself quite fortunate indeed....Chiaverini

makes a convincing case that Ada Byron King is a woman worth celebrating."—USA Today The New York Times bestselling author of Mrs. Lincoln's Dressmaker and Switchboard Soldiers 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 Byron, the most brilliant, revered, and scandalous 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 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 highly eligible young heiress, she at last discovers the 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 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 would shape the future.

Ada Lovelace, Poet of Science Diane Stanley,2016-10-04 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 display...Hartland's charmingly busy 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 computer 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 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 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 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.

Ada Lovelace Beverley Adams,2023-04-06 The name Ada Lovelace perhaps is not a name that you would automatically link to computer science but she was in fact the first person to create a computer algorithm. Working with the renowned scientist Charles Babbage, Lovelace translated a set of notes on Babbage's new mechanical computer, The Analytical Engine and discovered that in fact it could be programed to do more than mere mathematical calculations. Lovelace may have been a mathematical genius but as the only legitimate child of the poet Lord Byron she was also a figure of great scrutiny. Abandoned by her father at just four weeks old, Ada endured a strict childhood in the care of her mother who was adamant that her daughter would not inherit the so-called Byron madness. She ensured Ada was denied all things that were considered exciting and was pushed more towards the logical subjects such as science and mathematics. Did this strict approach work? Or, did Ada Lovelace inherit more than her genius from her father? Ada was many things, a daughter, wife and mother but above all that she was an inspirational woman, one who defied Victorian ideals by entering the field of mathematical studies and by achieving greatness that is still recognized today.

Ada Lovelace Kristi Lew,2017-12-15 Nearly one hundred years before the advent of the computer age, Ada King, Countess of Lovelace, published the first set of instructions intended to extract data from a machine. This accessible, engaging biography will introduce readers to the mathematician who is considered by many to be the world's first computer programmer. Readers follow Lovelace, the daughter of renowned romantic poet Lord Byron and his highly educated, analytical wife, Annabella, from her sickly childhood to her untimely death at age thirty-six. What emerges is a compelling portrait of a woman who overcame Victorian conventions to become a pioneer in computer science.

Ada Lovelace Amy Hayes,2016-07-15 Inside this volume, readers learn about the life of the first computer programmer, Ada Lovelace. This book covers Lovelace's early childhood, as the highly intelligent and inquisitive daughter of famous poet Lord Byron, as well as her forays into developing the first computer program—over a hundred years before computers as we know them were in use. Readers will learn how Lovelace's work set the stage for other computer pioneers and how it still impacts us today. This engaging biography pairs information-rich text with vivid artwork to give readers a firm grasp on Lovelace's life and legacy. Sidebars and a timeline provide additional information. This biography is an excellent supplement to both STEM instruction and history curricula.

Who Says Women Can't Be Computer Programmers? Tanya Lee Stone,2018-02-20 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 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 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 gifted child to her most sophisticated notes on Charles Babbage's Analytical Engine, this book celebrates the woman recognized today as the first computer programmer. This title has Common Core connections. Christy Ottaviano Books

Ada Lovelace Hourly History,2023-08-25 Discover the remarkable life of Ada Lovelace... As the sole legitimate child of Lord Byron, Ada Lovelace was the progeny of literary royalty. Many might have naturally expected her to go into the field of her father, but instead of delving into poetry, she delved into the hard sciences of mathematics and analytic thinking. Even so, Ada still had the imagination of a lyricist when writing scientific treatises, at times referring to her own work as nothing short of poetical science. Everything she did, she did with passion and dogged determination. It was this drive that led Ada to look farther and search deeper than her contemporaries. Her unique vision led her to become one of the pioneers of the modern computer and one of the world's first computer programmers. But what exactly do we know about Ada Lovelace, and how can it be quantified? Read this book to find out more about the nineteenth-century mathematician and writer Augusta Ada King, Countess of Lovelace. Discover a plethora of topics such as The Daughter of Lord and Lady Byron Early Years of Paralysis The World's First Computer Programmer Rumors and Laudanum Addiction A Grim Prognosis Last Days and Death And much more!

Embark on a breathtaking journey through nature and adventure with is mesmerizing ebook, **Ada Lovelace**. This immersive experience, available for download in a PDF format (Download in PDF: \*), transports you to the heart of natural marvels and thrilling escapades. Download now and let the adventure begin!

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