Books:

Outnumbered: From Facebook and Google to fake news and filter-bubbles – the algorithms that control our lives by David Sumpter. ISBN: 978-1472947413. An applied mathematician takes a look at what algorithms are doing with our data and how they are changing our lives

Out of Their Minds by D Shasha and Cathy Lazere. ISBN: 978-3540979920 - the lives and discoveries of fifteen unsung computer scientists whose programs have helped people from factory owners to cartoonists.

Once Upon an Algorithm: How Stories Explain Computing by Martin Erwig. ISBN: 978-0262036634. Concepts in Computer Science explained through familiar stories such as Hansel and Gretel, Sherlock Holmes, the movie Groundhog Day, and Harry Potter.

Computer Science: An Overview by J. Glenn Brookshear. ISBN: 978-0321544285 - overview of what computer science is all about: each topic is presented with its historical perspective, current state, and future potential, as well as ethical issues.

The *Pattern on the Stone: The Simple Ideas That Make Computers Work* by Daniel Hillis. ISBN: 978-0465025961 - explains the basic concepts of the computer in everyday language.

WEBSITES:

Harvard University Courses
https://online-learning.harvard.edu/catalog?keywords=&subject%5B%5D=3&paid%5B1%5D=1&max_price=&start_date_range%5Bmin%5D%5Bdate%5D=&start_date_range%5Bmax%5D%5Bdate%5D=

Future Learn Courses
https://www.futurelearn.com/subjects/it-and-computer-science-courses

Immersive Labs Cyber Skills
https://www.immersivelabs.com/

Stanford Online
https://online.stanford.edu/search-catalog?type=All&topics[1047]=1047&topics[1057]=1057&topics[1064]=1064&topics[1073]=1073

PODCASTS:

Computer Science—Oxford University
Talks that encompass topics such as computational biology, quantam computing, computational linguistics, information systems, software verification and software engineering.

Computing Britain—BBC Radio 4
A look back at 75 years of Computing history to reveal the UK's lead role in developing the technologies we rely on today.

INSPIRATION:

"Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world""

— Albert Einstein

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Computer Science

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