FutureSmartCareers

Expand your knowledge of Computer Science

If you are interested in studying Computer Science either at degree level or via an apprenticeship you may want to investigate it further to extend your knowledge in preparation for applying and interviews. The following resources will help with this.

Podcasts

The University of Manchester
University of Oxford
Software Engineering Radio
The Turing Podcasts

Webinars

IBM SkillsBuild

Computer Science Resources

Isaac Computer Science
A free learning platform for A level computer science students and teachers. It is funded by the Department for Education.

University of Cambridge, Department of Computer Science and Technology
Raspberry Pi is a charity set up to further the advancement of education of adults and children, particularly in the field of computers, computer science and related subjects.

Computerphile Videos
Videos all about Computers.

Project Euler
Project Euler is a series of challenging mathematical/computer programming problems that will require more than just mathematical insights to solve.

Professional Computer Science/IT Bodies

Chartered Institute of Information Security

BCS The Chartered Institute for IT

See over for more...

Newspapers/Journals

Computing

Computing Security

Books

The following books might be available in a local library, it is not suggested that you buy them.

D. Harel, Algorithmics: The Spirit of Computing, Addison Wesley, 2003

A. K. Dewdney, The New Turing Omnibus, Palgrave Macmillan, 2004

D. Harel, Computers Ltd: What They REALLY Can't Do, Oxford University Press, 2003

Online Learning

Find bitesize short online courses based on your subject interests on the following platforms. Courses are usually free to complete and many are completed in no more than two or three hours a week over a two- or three-week period. You can usually start courses on a date that suits you. These courses are also known as MOOCS (Massive Online Open Courses).

FutureLearn
Coursera

Videos

Explore Computing related videos on YouTube

See also TEDx Talks

Public University Lectures and Events

You may also find some relevant public lectures or online events through the following:

Oxford University Events
Cambridge University Major Public Lectures
Edinburgh University Public Lectures
Gresham Lectures

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