

Harry Brown

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Education

- 2016-2020 **Imperial College London**, Computing MEng
2014-2016 **Saffron Walden County High School**, A levels
A Mathematics, A* Further Mathematics, A Physics, A Computing, A* EPQ*
2009-2014 **Saffron Walden County High School**, GCSE
*6 A*s, 5 As*

Work

- Summer 2017 **Fire Tech Camp**
I worked as a tutor at two sites in London, teaching coding and video game design to children aged 9-12. The role required organisation, planning and working closely alongside a cotutor to deliver the course content, and then presenting the children's work to the entire camp every week.
- Summer 2016 **Frontier Silicon Ltd**
I spent six weeks working with the Sustaining and Support team on their internet radio platform, written in C. This involved debugging both hardware and software, attending project meetings and communicating with clients about product issues.
- 2016- **Website design**
I have designed, and continue to maintain, new websites for Haverhill Community Sports Association and Newton David Ltd, liaising regularly with marketing officers and a graphic designer to develop the companies a professional online presence.
- May 2015 **Frontier Silicon Ltd**
Spent one week on work experience learning C, and then coding and implementing a new feature to the internet radio interface.

Projects

- 2017 **ARM11 Emulator and Assembler**
A third term university project, which saw four of us work together on writing in C an ARM11 emulator and assembler, and then write assembly programs to be assembled and deployed on a Raspberry Pi.
- 2017 **Who's In**
A Django-based web app for monitoring network traffic, sending alerts when new devices are connected, and predicting who is at home based on device activity.
- 2016 **Fractal investigation**
A Python-based investigation into 2D fractal rendering. I also added OpenCL support to improve calculation times. I also researched 3D fractals and their foundations in hypercomplex numbers.
- 2014- **Fallen**
Wrote a game with a friend for Android, using Unity and C#, and distributing via the Google Play Store.

Skills

- Programming Java, Haskell, Python, C, HTML / CSS, C#, Unity
Technology Linux, Windows, Git, SVN

Outside interests

- Former matchday programme editor and media secretary, Haverhill Borough Football Club
 - Grade 5 piano
 - Imperial College archery
- Jack Petchey award for services to the community