Harry Brown

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EDUCATION

IMPERIAL COLLEGE LONDON | MEng in Computer Science
2016 - 2020 | London, UK

SAFFRON WALDEN COUNTY HIGH SCHOOL | GCSE, A-level
2009 - 2016 | Saffron Walden, UK
A level: A* Maths, A* Further Maths, A* EPQ, A Physics, A Computing
GCSE: 6 A*s, 5 As

COURSEWORK

FIRST YEAR
Hardware • Architecture • Databases • Functional Programming • Logic • Reasoning about Programs • Mathematical Methods • Discrete Maths

SKILLS

PROGRAMMING
Python • Java • HTML • CSS • Visual Basic • C • Haskell • MySQL

TECHNOLOGY
Linux • Windows • Git • SVN

EXTRA CURRICULAR

Hackathons - IC Hack, HackUPC Barcelona, LauzHack • Former matchday programme editor and media secretary, Haverhill Borough FC • Grade 5 piano • Imperial College archery • Jack Petchey award for services to the community

LINKS

Github: **harryrbrown**
LinkedIn: **hryrbrn**
Twitter: **@hryrbrn**

EXPERIENCE

FIRE TECH CAMP | Tutor
July 2017 - August 2017 | London, UK

- Tutored at two sites in London, teaching coding and video game design to children aged 9-12.
- Planned lessons and worked closely with a cotutor to deliver course content, and then presented the children's work to the whole camp at the end of each week.

FRONTIER SILICON | Junior Engineer
August 2016 - September 2016 | Cambridge, UK

- Worked with the Sustaining and Support team for 6 weeks on the company's internet radio platform, written in C.
- Involved debugging hardware and software, attending project meetings, and communicating with clients about product issues.
- All code was reviewed, and where applicable pushed to production.

WEBSITE DESIGN | Freelance designer
2016 - Present | Haverhill, UK

- I have designed, and continue to maintain, the websites for Haverhill Community Sports Association and Newton David Ltd.
- Both sites run using the Wordpress platform with custom themes.
- Worked with a graphic designer and liaised with marketing officers to develop both companies a professional online presence.

PROJECTS

TWEETSCRAPER | Personal Project
Summer 2017 - Present
An ongoing project with a friend that attempts to find correlations between social media sentiment regarding a company, and the company's stock price. It will then use this to predict future stock movements based on current social media activity.

ARM11 EMULATOR AND ASSEMBLER | University Project
May 2017 - June 2017
A third term university project, in which I worked with three other students to write in C an ARM11 emulator and assembler, and then write assembler programs to be assembled and deployed on a Raspberry Pi. The project was selected among the best in the year.

WHO'S IN | Django web app
Summer 2017
A Django-based web app for monitoring network traffic, sending alerts when new devices are connected, and predicting who is currently at home based on device activity.

FRACTAL INVESTIGATION | Sixth Form Project
January 2016 - March 2016
An investigation into 2D fractal rendering, written in Python. I added OpenCL support to improve calculation times. I also researched 3D fractals, and their foundations in hypercomplex numbers.