

# Nathaniel Oshunniyi

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## CURRENT EDUCATION

### **Imperial College: BEng 2:1, Computer Science - Oct 16 – Jun 19**

Current Average 65%, High scores in: Ethics, Presentation Skills, Programming, Logic

Completed Projects:

- **ARM assembler:** Group project building an assembler and compiler for IA-32 assembly, written in C. (Scored 70+% A)
- **Chess AI:** Individual project building a chess pawn AI, written in Java. (Scored 70+% A)
- **Quantum Computing Research:** Lead a 10 week team project to create an educational website for quantum computing, and lead the presentation of our project to the department. (Scored 70+% A)

## PERSONAL PROJECTS

### **Haskell Parser/Translator**

Parses Haskell code and converts into 'intermediate code' for translation into other languages.

Skills Used:

- Parser written in Haskell, used Cabal to build and install project.
- Used Git for version control

### **Wireless Access Point and HTTP Server**

Creates Wi-Fi hotspot with Captive Portal for linux system

Skills used:

- Program/Script written in BASH, creates virtual wireless interfaces to host access point.
- Full stack development: HTML, CSS, JavaScript frontend, PHP backend for the Captive Portal splashpage.
- Linux system configurations (ip tables, link layer configurations), and Vim text editor.

## WORK EXPERIENCE

### **Tutor – April 2017 – July 2017**

Fire Tech – <https://www.firetechcamp.com/>

Location: London

Tutored kids (age ~10) programming skills in Java by helping them create mods for the game 'Minecraft'.

- Communication and ability to explain complicated information was required, as well as technical ability in Java.
- Time management was required as sessions were only 1 hour at a time and a lot of ground had to be covered.

## HOBBIES AND INTERESTS

**Caving** – Part of Imperial caving society, most recently went to Wales to explore the cave system in Brecon Beacons.

**Music** – Fan Hip hop and alternative music.

**Martial Arts** – Black-tag belt in Tae-Kwon-Do, and recently started practicing Japanese Jiu Jitsu.

## REFERENCES AND LINKS

References are available on request.

GitHub: <https://github.com/Nathxniel>