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EDUCATION

Imperial College London

September 2017 - Present

- BEng (Hons) Computing
- Achieved a first class in first year

Hills Road Sixth Form College

September 2015 - June 2017

- A-Levels
- Maths (A*) Chemistry (A*) Further Maths (A) Physics (A) EPQ (A*)

WORK EXPERIENCE

Wiser Tech Academy

September 2018 - Present

- Work to connect clients looking to hire technology graduates directly with students on campus.

Author on plancti.me (Volunteer)

December 2017 - Present

- Active contributor of articles that aim to provide readers with a clear understanding of concepts via concrete examples and a hands-on approach.

NOTABLE PROJECTS

Poisonous Mushroom Classification — sonjoonho.github.io/mushroom-classification

August 2018 - September 2018

- Performed an in-depth exploratory data analysis on a dataset of the physical characteristics of over 8000 poisonous and edible mushrooms.
- Trained a classifier to predict the edibility of a mushroom based on these features.

Flask Wii — sonjoonho.github.io/flask-wii

July 2018 - August 2018

- Created and deployed an experimental web application that allows the user to turn their smartphone into a 3D controller, with no additional applications.
- Built with Python (Flask) and JavaScript.

ARM Group Project (87%) — sonjoonho.github.io/arm

May 2018 - June 2018

- Worked in a small group to develop and document an ARM emulator and assembler from scratch.
- Developed and tested a networked, motion controlled *Pong* game as an extension using OpenCV and SDL2.
- Written in C, C++, and ARM11 assembly.
- Exposure to the software development cycle, project organisation, and version control software.

Extended Project "Smart Mirror" (97%) — sonjoonho.github.io/smart-mirror

February 2016 - September 2016

- Designed, developed, and constructed a smart mirror device.
- Written in JavaScript wrapped in a Cordova framework, enabling it to run as a mobile application.
- Kept a detailed development journal and wrote detailed documentation as part of my project write-up, subsequently presenting my project to my peers and mentors.

ACHIEVEMENTS

Imperial College Taekwondo Secretary and Webmaster

June 2018 - Present

- Manage the day to day running of club activities and communicating with members
- Responsible for liaising with *Imperial College Union*, *Sport Imperial*, and other clubs
- Created and maintain the club website (backend and frontend)

Trading Education Certificate with Merit

November - December 2017

- Attended an extracurricular course taught by the *Imperial College Finance Society* in association with *Credit Suisse* designed to provide a comprehensive introduction to trading.
- Passed the examination with merit.

TECHNICAL SKILLS

Preferred languages: Java, Python

Comfortable with: JavaScript, Git, LaTeX, C

Exposed to: Haskell

ACTIVITIES & INTERESTS

- I enjoy exploring fields of interest in my own time and have completed online courses such as Stanford's 11-week *Machine Learning* course on Coursera and the Google Digital Garage *Online Marketing Fundamentals* course.
- In my free time, I am a committed taekwondo practitioner, competing at tournaments nationally.

References available upon request.