Joon-Ho Son
MEng Computing at Imperial College London

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EDUCATION

Imperial College London   September 2017 - Present
- MEng (Hons) Computing
- Achieved a first class in first year
- Relevant modules: Soft. Eng. Design, Programming I/II/III, Databases, Algorithms I/II, Introduction to C++

Hills Road Sixth Form College   September 2015 - June 2017
- A-Levels
  Maths (A*) Chemistry (A*) Further Maths (A) Physics (A) EPQ (A*)

EXPERIENCE

Imperial College Data Science Society Industrial Project Team   October 2018 - Present
- Member of a student team that collaborates with high-profile corporations to tackle big-data projects throughout the academic year.
- Currently working with an investment bank to build a recommender system that suggests financial products based on time-series data.

Wiser Tech Academy   September 2018 - Present
- Work to connect clients looking to hire technology graduates directly with students on campus.

Author on planckti.me (Volunteer)   December 2017 - Present
- Active contributor of articles that aim to provide readers with a clear understanding of concepts in Computer Science via concrete examples and a hands-on approach.

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 a selected subset of these features.
- Approach emphasised effective choice of metrics and hyperparameters in order to tackle class imbalance.

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 realtime 3D controller.
- Built with Python (Flask) and JavaScript.

ARM Group Project (87%) — sonjoonho.github.io/arm   May 2018 - June 2018
- Worked in a small team 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.

ACHIEVEMENTS

Palantir Data Ethics Case Competition 1st Place — sonjoonho.github.io/data-ethics   September 2018 - October 2018
- Coordinated a multi-disciplinary team in order to submit an *Executive Summary* proposal detailing the technical and ethical challenges surrounding large-scale data collection.
- Selected out of teams worldwide to present our proposal to a panel of judges at the *Amsterdam Privacy Conference 2018*.

Imperial College Taekwondo Secretary and Webmaster   June 2018 - Present
- Responsible day to day running of club activities and liaising with *Imperial College Union* and other clubs.
- Built the club website using the Laravel PHP web framework.

Trading Education Certificate with Merit   November 2017 - 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
Proficient with: Java, Python, C++, Git, Linux/Unix
Comfortable with: JavaScript, C, SQL, LaTeX, Tensorflow, Scikit-learn
Exposed to: Haskell, Ruby, PHP, Docker

References available upon request.