Louis Kueh

louiskueh.com | jovanhan2

Education

Imperial College London *London*

MEng Computer Science and Electronic Engineering, Final Year *October 2015- Present*

- Algorithms, Data structures & Complexity, Advanced Databases, Object oriented programming (C++), Graphics, Computer Architecture

Experience

Programmer Intern *London*

Buzzacott *June 2018 - Present*

- Implemented RESTful server communicating with frontend and external API
- Built web application that processes A/P files and fetches required data from API
- **Backend:** NodeJS, Express | **Front-end:** React, HTML | **Quality Assurance:** Jasmine, Travis CI, SonarQube

Software Developer Intern *London*

Deutsche Bank *June - August 2017*

- Developed web-service to automate manual reporting of tax forms - up to 12x faster
- Experienced industry development cycle - design, implementation, testing & code reviews
- **Backend:** Java, Spring MVC | **Front-end:** Bootstrap, Thymeleaf | **Quality Assurance:** JUnit, SonarQube

Projects

Visual Studio Code Extension - Neuron

Designed for Data Scientists | Angular 2, TypeScript

- Worked in collaboration with Microsoft to build an open source Visual Studio Code extension
- Combines the robustness of Visual Studio Code with the interactivity of Jupyter Notebooks
- Language agnostic backend, potential support for many languages

louiskueh.com, studentfinancetips.org

ReactJS, HTML, Bootstrap, Github Pages

- Established personal portfolio on the world wide web
- Developed own brand, studentfinancetips, designed to give insight into student life

Health-Hackathon

C#, Unity

- Created a game for individuals with cystic fibrosis, controlled via a breathalyzer
- Playing the game encouraged deep breathing, helping participants combat their condition.

Internet of Things Table Tennis Device

Python & Micropython, HMC5883L Magnetometer, LIS3DH TRIPLE-AXIS Accelerometer

- An embedded system that recognizes table tennis swings and offers feedback on how to improve
- Assembled & soldered components together, utilized low power communications (MQTT)

Activities

Imperial College Table Tennis Society *Imperial College London*

President *2017 - 2018*

- Built Node JS app to check if someone is a member of the table tennis club via University API
- Ensured inter-university matches (BUCS) are played to an appropriate standard
- Increased awareness of table tennis by building the website for the club and advertising flyers

Undergraduate Teaching Assistant *Imperial College London*

EE1-07 Software Engineering 1: Introduction to Computing *2017 - 2018*

- Selected to teach programming(C++) to incoming students
- Cultivated tenacity to handle any questions on the spot

Habitat for Humanity *Borneo, Malaysia*

Volunteer *Summer 2013*

- Built a house from group up for an underprivileged family in Borneo