

# CHAN JING WEI

Email: [jingweichan97@gmail.com](mailto:jingweichan97@gmail.com) Mobile: +60 193719907 Portfolio: [jwc97.github.io](https://jwc97.github.io)

## EDUCATION

### MEng Electronic Engineering with Computer Science | First-Class Honours

University College London | Sep 2016 - Jun 2020

**Final Year Project:** Sensor Arrays for Movement Sensing (Parkinson's Disease)

**Courseworks** - Applied Machine Learning, Network Systems, IoT, Security and Privacy, Complex Networks and Web

**Languages** - English (native), Chinese (fluent), Malay (intermediate)

**Integrated Engineering** - Led engineers from different faculties to solve energy-related issues in Uganda

### GCE A-Level | ASEAN Scholarship Holder

Temasek Junior College | Feb 2014 - Nov 2015

## Awards

2017 Tadhack London | winner: mood-sensitive lighting

2018 London Open Data Hackathon | most popular idea: underground tube passenger flow visualisation

## TECHNICAL WORKING EXPERIENCES

### Reality Detector | Software Developer

Singapore | July 2020 - Present

- Reduced face-tracking latency from 350ms to 15ms by optimizing Javascript code
- Written GraphQL API to allow users to parse data to and fro AWS database
- Written responsive user interface for data labelling tool using React

### EV Technology | Data Analyst

London | Jun 2019 - Sep 2019

- Written charge-prioritisation algorithms which saved £80 per week in a fleet simulation program
- Merged and analysed large amounts of electric vehicle data
- Analysed the effect of vehicle events (e.g. harsh left turn) and their severity on journey statistics
- Deduced electric vehicle eco score for each trip

### Keysight Technologies | Full Stack App Developer

Singapore | Jun 2018 - Sep 2018

- Worked on back-end (API) and front-end (UI) of mobile app using express.js and Ionic Cordova
- Created a mobile app catalogue to automate the push notification services for the sales team
- Learnt about databases, planned and laid out the data structure for catalogue and updates
- Participated in internal hackathon to further predict and improve product life span

### Common Extract | Front End Mobile App Developer

Malaysia | Apr 2016 - Aug 2016

- Worked effectively to deliver social networking apps with just 2 months of programming experience
- Learned how to manage time wisely and write efficient algorithms to handle data
- Created user interfaces using Javascript by using the cross-platform Titanium framework
- Actively brainstormed ideas for location-based services in the app with client and manager

## COLLABORATIVE EXPERIENCE

### MyEdventure | Co-Founder

Malaysia | May 2017 - Dec 2017

- Launched a coding bootcamp to teach web development
- Designed comprehensive course content for HTML, CSS and Javascript
- Guided tutors to actively engage beginners and equip them with basic coding skills

### UCL Malaysian Society | Sports Director

University College London | Mar 2017 - Mar 2018

- Managed £3000 and allocate to the various sports socials and tournaments across UK
- Took ownership by guiding captains to organize socials and trainings for more than 100 society members
- Coordinated with the captains to lead more than 100 athletes to various sporting events across the UK