



# Chih-Yun Chien



English (Fluent), Mandarin (Native)



King's College London 2019 (2:1)

BSc (Hons) Computer Science (specialised in AI)



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## Work Experience

### Software Test Engineer

2019 SEP 16 - Present

IBM, China Development Lab

Taipei, Taiwan


- Collaborate with France Lab ODM dev team to perform Globalization Verification Tests on their products in CI/CD manner
- Create automated UI tests using Selenium WebDriver and JavaScript
- Brainstorm & develop new features for internal automation tools using mainly **Node.js** and **AngularJS**

### Software Developer

2018 JAN 03 - 2018 MAR 31

Room One Ltd

London, UK

- Worked primarily in **Python** and **ROS** on Ericsson's 5G demo project for MWC 2018 
- My tasks encompassed the **network** and **robotics** aspects of the project
  - **Socket** programming and applying **mathematics** to convert points in 3D space to **joint angles** interpretable to the UR3 robot
- **Optimised** human-robot motion synchronisation with **async** HTTP

### Software Engineer

2017 SEP 05 - 2018 MAR 31

Centre for Telecommunications Research @ KCL

London, UK

- Worked in an **agile** manner with the team developing the prototype infrastructure for the UK's 5G-data core
- Worked in a **linux environment** and used **command line** for most of my tasks
- **Implemented** the **MP-TCP/IP** proxy in **C** on a **linux** server

## Solo Projects

### Operation Board Game

C, LeapMotion, UR3

- A gigantic version of Operation Game developed for O2
- "Operation" is performed by a robotic arm controlled by a human player in a different room via a hand-motion-tracking system

### Face 2D Sticker App

Java, Multithreading, OpenCV

- **Real-time** video processing application created for fun

[Read more...](#)

## Activities

### P-TECH IBM x National Taipei University of Technology

2020

- Provided technical guidance on students' final year projects

### Facebook Secure and Private AI Scholarship

2019 JUN - SEP

- 3 months course on **Federated Learning**, **Differential Privacy**, and **Encrypted Computation** on Udacity
- Used **Pytorch** and OpenMined's **PySyft** to train AI models securely

### 2018 Facebook Hack A Project

2018 OCT - NOV

- 6-week program at Facebook London with mentoring support from senior software engineers
- Worked on the **backend** of an **Android App** using **Node.js** with **Express framework** and Heroku for infrastructure

[Read more...](#)

## Programming Languages

**Actively using:** Java, Python, JavaScript