Chih-Yun Chien

🌐 English (Fluent), Mandarin (Native)

🎓 King's College London
BSc (Hons) Computer Science (1:1) - 2019/07

✉ chih-yun.chien@kcl.ac.uk

⌗ https://jojojolin.github.io.

📞 +44 7564025933

Work Experience

Software Engineer   **2018/01/03-2018/03/31**
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 **map** the **XY coordinates** of the human leg to the **joint angles** of the robot
- **Optimised** human-robot motion synchronisation by using **asynchronous** HTTP requests

Network Engineer   **2017/09/05-2018/03/31**
Centre for Telecommunications Research   King's College 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

Frontend Developer Intern   **2017/07/12-2017/08/31**
Runwedia   Taipei, Taiwan
- Designed and developed websites using **JS**, **PHP**, **HTML** and **CSS**
- **Communicated** with clients and refined **requirement specifications**

Solo Projects

Operation Board Game 🔗   **#C#LeapMotion#UR3#Sockets**
- **Human-robot** collaboration game developed for the client - O2
- Design was inspired by the classic *Operation Game*

Face-tracking + Sticker App 🔗   **#Java#Multithreading#OpenCV**
- **Real-time** video processing application developed for fun

Quantum Random Walk Algorithm 🔗   **#Python#Matrices#IBMQ**
- **Simulation** of a theoretical **quantum computer** performing **discrete random walk**, allowing experiments and analysis of qubit behaviors

Activities

Facebook Secure and Private AI Scholarship   **2019/06-2019/09**
- Learning **10 hours a week** over **3 months** on **Federated Learning**, **Differential Privacy**, and **Encrypted Computation** on Udacity
- Using **Pytorch** and OpenMined's **PySyft** to train AI models **securely**

2018 Facebook Hack A Project   **2018/10-2018/11**
- **6-week** program at Facebook London HQ 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

Computer Languages

Most frequently used (sorted): Java, Python, C, Javascript
Others: C++, Go, PHP, HTML, CSS, Scala, MATLAB