

Kin Jeune (Ashton) Choy

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Education

Imperial College London, *MEng Computing*

Sep 2019 – present | London, UK

- On track for **First Class Honors**.
- Relevant modules: Software Engineering Design, Introduction to Machine Learning, Algorithm Design and Analysis, Introduction to Databases, Networks and Communications, Simulation and Modelling.

Harrow School, *A Levels*

Sep 2017 – Jun 2019 | London, UK

- **1 of 7** to receive an academic scholarship on entry to the school in sixth form.
- Achieved **A*A*A** in Physics, Chemistry, Maths and Further Maths respectively.

Experience

Summer Intern, *Masteron Sdn Bhd*

Jul 2020 – Sep 2020 | K.L., Malaysia

- Helped to maintain the company website using WordPress. Liaised and met with several creative agencies to source and deploy a new website for a public listed company.
- Created leasing packs in Microsoft PowerPoint, containing info on vacant office/retail space to be shown to prospective tenants. This led to several previously vacant spaces getting rented.

Projects

LinkUp, *Imperial College London*

May 2021 – Jul 2021

- Designed and developed an Android app that makes the process of organizing group meetups faster and easier. Users of LinkUp can easily vote on suitable locations and meetup times in groups of any size, and keep an itinerary of their future meetup plans.
- Utilised human-centred design through an agile development approach (thin-slice iteration) with focus on stakeholder feedback.
- Made with **Kotlin, Java, XML, SQL, Git, Heroku**.

Pintos, *Imperial College London*

Oct 2020 – Dec 2020

- Implemented various parts of the Pintos operating system framework, including priority scheduling, user program support and virtual memory. Written in C for the 80x86 architecture.
- Gained a good understanding of threads, synchronization primitives, data structures, virtual memory, and how operating systems work.

armOUR, *Imperial College London*

Jun 2020

- Created an IDE for writing and editing basic x86 assembly language. Through a command-line interface, users can load, create, modify and debug assembly language files with syntax highlighting and checking.

ARM11 C Group Project, *Imperial College London*

May 2020 – Jun 2020

- Built an ARM11 emulator and assembler in C for a subset of the ARM11 instruction set architecture.
- Gained experience working with low-level languages, and learnt how to collaborate together with a group on a coding project.

Technical Skills

Languages:

Proficient in Java, C, Kotlin; familiar with Haskell, Python, Flutter, JavaScript, SQL; native speaker of English, limited working proficiency in Mandarin Chinese and Malay.

Tools and Technologies:

Experienced with Git; familiar with Linux and LaTeX; basic experience with HTML, CSS and WordPress; exposed to Gradle, Heroku, ANTLR, Docker.

Positions of Responsibility

Vice President,

Apr 2020 – Jul 2021

Imperial College Association of British and Chinese University Students

- Managed Imperial's ABACUS branch (300+ members). Handled the society's internal logistics and liaised with external event coordinators and other London ABACUS branches to organise society events.

Prefect - Arts Strand, *Garden International School*

Sep 2016 – Jul 2017

- Worked amongst a group of students to help improve the arts scene at Garden International School. We communicated effectively as a team, and were able to introduce several new popular school events to do with music, drama, and the arts in general.