

# Chak Ki (Jacky), Ma

Major in Computer Science, 2<sup>nd</sup> Year

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## TECHNICAL SKILLS

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<b>Programming</b>	C, MIPS, Python, Java
<b>Testing</b>	GDB, TDD, writing test plans
<b>Web</b>	HTML, React Native*, Node.js*, React*, JavaScript*
<b>Application/Databases</b>	MySQL, PostgreSQL
<b>Tools/Libraries</b>	Github, Gitlab, Figma, Wireshark*, Firebase*
<b>Networking</b>	TCP/IP, Socket Programming

\* currently acquiring

## TECHNICAL PROJECTS

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### Veggie

Jan 2022 – Present

- An application aims to enhance the experience of searching vegetarian products, working in a group of 2
- Web-scraped 10,000+ product details using Python
- Storing and reorganising them into different categories using Firestore
- Writing cloud function on Firebase
- Designed and implemented a modern, clean UI to enhance user experience using React Native
- **Skills:** React Native, Firebase, Python, Figma, Github, JavaScript

### Money Manager

Dec 2021 – Feb 2022

- A program aims to provide all-rounded personal finance statement
- Enter the transaction into Microsoft Excel
- Web-scraped the latest currency and stock price
- **Skills:** Python

### UNSW Team Project – UNSW Streams (Messenger)

Sep 2021 – Dec 2021

- A backend sever allow users to share, communicate, and collaborate to (attempt to) make streams a reality
- Worked under the software engineering life cycle and agile software development practices
- Used different testing methods (eg., unit tests, integration tests, test plan/cases, test automation)
- Worked as a team in Microsoft Team. Used git as a source code management tool for collaboration
- **Skills:** Python, Gitlab, writing test plans

## VOLUNTEER EXPERIENCE

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### Technical Subcommittee | UNSW QuantSoc

Apr 2022 – Present

- A website aims to introduce society following events, working in a group of 8
- Code for the site using ReactJS and backend using Python
- Regular stand-up and discussion to boost system design
- **Skills:** ReactJS, Python

## TECHNICAL EXTRACURRICULAR ACTIVITIES

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### Sydney University's Computing Society SYNCS Hack 2022

Aug 2022

- Worked in a group of 2 to develop a website called "ParkMate" to solve parking space problem in Australia.
- Contribution: idea brainstorming, designed prototype, front-end coding
- **Skills:** ReactJS, Figma

### UNSW CSESoc Annual Flagship Hackathon – 1<sup>st</sup> runner up

July 2022

- Worked in a group of 4 to develop a website called "Lighthouse" to filter posts from various social media platforms into a single, easily read feed.
- Contribution: idea brainstorming, designed UI using Figma and implemented front-end using ReactJS
- **Skills:** ReactJS, Figma, Python

### UNSW CSESoc x Jane Street Electronic Trading Competition

March 2022

### IMC x UNSW CSESoc x UNSW CPMSoc Coding Competition 2022 – Division A

March 2022

## EDUCATION

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**The University of New South Wales | Sydney, Australia**

Feb 2021 – Feb 2024 (Expected)

*Candidate for BSc, Major in Computer*

## ACHIEVEMENTS

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**Science Challenge (Mathematics) Merit top ~11% in City University of Hong Kong**

Feb 2020