

Arvin Hay

arvinhaykwanming@gmail.com | [LinkedIn](#) | [GitHub: arvinloh](#) | [Personal Website](#)

EDUCATION

Monash University

Feb. 2023 – Present

Bachelor of Science (Honours) in Computational Science and Mathematics

Melbourne, VIC

- WAM: 78 — GPA: 3.3
- Awards: Achieving Potential for Distinction Scholarship (2023), Monash Summer Research Scholarship (2024)

LEADERSHIP

Monash Science Student Ambassador

Mar. 2024 – Present

Represent the Faculty at a variety of events

Melbourne, VIC

- Promote Monash University and the Faculty of Science programs and activities to both prospective and current students.
- Engage with students on Open Day, information seminars, and school visits
- Represent the faculty through social media and marketing activities

Monash Minds Leadership Program

Feb. 2023 – Oct. 2024

Enhance the leadership capabilities and self-assurance of 120 handpicked first-year students

Melbourne, VIC

- Guide Monash Minds students and work with incredible leaders and Fulbright Scholars
- Facilitated leadership development through hands-on service addressing real-life needs within Monash community.

Programming Bootcamp Tutor

Feb. 2024 – Feb. 2024

Monash Information Technology

Melbourne, VIC

- Cooperated with teaching staff to deliver application based programming tutorials to over 240 students.
- Simplified programming concepts to students and guided them to working solutions of programming problems.
- Provided students with programming and university consultation.

EXPERIENCE

Co-Founder

Nov. 2023 – Oct. 2024

Troche - MedTech

Melbourne, VIC

- Led startup development and conducted user testing on Troche's hardware and software platforms.
- Established partnerships with healthcare providers, facilitate interviews with Type II diabetes patients and enrolled 10 participants for prototype testing to gather insights for refining product features.
- Designed and developed a 3D model integrating blood glucose monitoring and alarm systems, using Arduino to synchronize with a mobile application for timely reminders, health tracking, and health statistics reports.
- Collaborated with industry partners, including Amazon Web Services, Reece Group, Hypershift Systems, and LaunchVic, to enhance business strategies and technological solutions.

Real Estate Agent

Mar. 2022 – Feb 2024

Gold 4Life

Melbourne, VIC

- Utilized Excel for comprehensive Investment Property Analysis (IPA) and Salesforce for efficient Customer Relationship Management (CRM), optimizing client retention and lead conversion.
- Managed diverse client portfolio, supporting negotiation and market research to secure favorable investment outcomes.
- Maximized property exposure through a mix of digital platforms (social media, property listing sites) and traditional advertising (print ads, open houses), increasing lead generation and engagement.

Co-Founder

Jun. 2021 – Aug. 2023

GachaFood - Restaurant

Melbourne, VIC

- Maintained a 5/5★ rating from 150+ customers through high food quality and service, boosting retention and referrals.
- Built an automated inquiry system with Flask, cutting response times by 30% and raising satisfaction.
- Optimized menu and digital marketing, increasing repeat orders by 15% and adding 100+ new customers.

TECHNICAL SKILLS

Programming: Python, SQL, Vega-Lite, MongoDB, Java, JavaScript, HTML/CSS, R, C++, Flutter

Developer Tools: Git, Google Cloud Platform, VS Code, IntelliJ, RStudio, Quarto, Tableau, CuraSlicer, Fusion360, FlutterFlow

Libraries: Pygame, Flask, pandas, NumPy, Matplotlib, ReactJS, NextJS, TailwindCSS

Languages: English (Fluent), Mandarin (Fluent), Japanese (Intermediate), German (Basic)