Chi Kit (Aiken) Lee

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EDUCATION

Monash University   Clayton, VIC
Bachelor's of Computer Science | GPA: 3.8/4   *Feb 2023 — Expected 2026*
- Relevant Coursework: Data Structures & Algorithms, Relational Database, Web Development, Object-Oriented Programming, Cloud Computing, Networking & Systems, Discrete & Continuous Math

WORK EXPERIENCE

Programming Bootcamp Tutor   Jul 2025 — Jul 2025
Monash University   *Melbourne*
- Led group sessions on Python fundamentals and project guidance
- Helped students debug code and build problem-solving skills

UAT Software Tester   Jun 2022 — Feb 2023
Trade and Industry Department   *Hong Kong*
- Conducted User Acceptance Testing on new software and provided reports to identify and resolve system issues
- Managed and updated databases, ensuring accuracy and compliance with organizational standards

PROJECTS

KVis (github.com/yens5757/kvis)   Dec 2024 — Feb 2025
- Built an in-memory database in Python with key expiry and a **Redis Serialization Protocol parser**
- Developed master-slave synchronization using a three-way handshake
- Designed an asynchronous client handling system to manage concurrent connections
- Implemented persistence mechanisms to retain data across restarts

Driver Tracker (github.com/yens5757/driver-tracker)   Sep 2024 — Nov 2024
- Built a full-stack web application with RESTful APIs and **MongoDB** database and Amazon Web Services
- Developed the front end using Angular and Bootstrap, ensuring a responsive and user-friendly interface
- Implemented the back end with Express.js serving as API endpoints and **MongoDB** as database
- Integrated real-time third-party API integration, for translation and distance estimate

Ray Vanguard (github.com/yens5757/ray-vanguard)   Feb 2024 — Jun 2024
- Built a 2D arcade game with C# and SplashKit framework
- Applied OOP principles to structure game logic and design scalable solutions
- Utilized design patterns such as Factory and Singleton to improve code reusability and maintainability
- Implemented Scene Management System to manage different game states efficiently

EXTRACURRICULAR ACTIVITIES

UniHack (devpost.com/software/axon-learning)   Mar 2025 — Mar 2025
- Collaborated in a team of 6 to complete the project within 48 hours in a fast-paced hackathon environment
- Placed in 3rd place for the First Timers Prize

Ravi's Study Program   Oct 2024 — Feb 2025
- Completed an intensive program focusing on algorithms, data structures, and coding efficiency
- Built connections and gain insights from software engineers from Big Tech and HFT companies

Member of the Monash Algorithms Club   Jun 2025 — Current
- Participated in different ICPC style competitive programming competitions with other students

SKILLS

- **Programming Languages**: Python, C#, Ruby, HTML/CSS, Javascript, PHP
- **Technologies & Framework**: AWS, MongoDB, Redis, Git, Bootstrap, Angular, Express.js, Oracle RDBMS, MySQL
- **Skills**: Data Structure and Algorithm, Object-oriented programming, SQL, RESTful API