

# Chi Kit (Aiken) Lee

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## EDUCATION

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### Monash University

Clayton, VIC

*Bachelor's of Computer Science / GPA: 3.75/4*

*Jun 2024 — Expected 2026*

- Relevant Coursework: Data Structures & Algorithms, Relational Database, Web Development

### Swinburne University of Technology

Hawthorn, VIC

*Bachelor's of Computer Science / GPA: 3.58/4*

*Feb 2023 — Jun 2024*

- Relevant Coursework: Object-Oriented Programming, Cloud Computing, Networking & Systems

## PROJECTS

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### KVis ([github.com/yens5757/kvis](https://github.com/yens5757/kvis))

Dec 2024 — Present

- Built an in-memory database in Python with key expiry, persistence, and a Redis Serialization Protocol parser
- Developed master-replica synchronization using a three-way handshake and multi-replica command propagation
- Designed an asynchronous client handling system to efficiently manage concurrent connections
- Implemented persistence mechanisms to retain data across restarts

### Ray Vanguard ([github.com/yens5757/ray-vanguard](https://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

### Driver Tracker ([github.com/yens5757/driver-tracker](https://github.com/yens5757/driver-tracker))

Sep 2024 — Nov 2024

- Built a full-stack web application with CRUD functionality and database
- 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

## EXTRACURRICULAR ACTIVITIES

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### RSP x CPC

Jan 2025 — Jan 2025

- Participated in a ICPC style competitive programming competition that was sponsored by IMC
- Collaborated with a team of 3 to solve challenging programming problems within 5 hours

### Ravi's Study Program

Oct 2025 — Feb 2025

- Completed an intensive program focusing on algorithms, data structures, and coding efficiency
- Gained insights into industry best practices by networking with professionals from Big Tech/HFT companies, learning about their technical expertise, problem-solving approaches, and career paths

## WORK EXPERIENCE

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### UAT Tester

Jun 2022 — Feb 2023

Hong Kong Government

*Hong Kong*

- Conducted User Acceptance Testing (UAT) and provided reports to identify and resolve system issues
- Managed and updated databases, ensuring accuracy and compliance with organizational standards

## AWARDS

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### Swinburne International Excellence Scholarship

Feb 2023 — Jun 2024

- Awarded Swinburne International Excellence Scholarship that lasts for 3 years

## SKILLS

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- **Programming Languages:** Python, C#, Ruby, SQL, HTML/CSS, Javascript
- **Technologies & Framework:** Git, Bootstrap, Angular, MongoDB, Oracle RDBMS