Chi Kit (Aiken) Lee

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Education

Monash University Melbourne
Bachelor of Computer Science | GPA: 3.5/4 *Jun 2024 — Dec 2026*

Experience

Incoming Strategy and Product Intern Dec 2026 — Feb 2027
Jane Street *Hong Kong*

Software Engineer Intern Nov 2025 — Feb 2026
Culture Amp *Melbourne*

- Migrated internal React components across unmaintained repos, coordinating visual changes with designers
- Resolved dependency and Tailwind layering conflicts to improve build stability and fix styling issues
- Identified and resolved production issues, including data duplication and potential script injection vulnerability
- Reworked non-standard code to company standards to improve code maintainability and consistency

Software Developer Oct 2025 — Mar 2026
Connect3 (connect3.app) *Melbourne*

- Built the frontend in Next.js/TypeScript with Tailwind and shadcn/ui, including core UI components and interactions
- Helped design the database on Supabase Postgres, using pgvector and OpenAI embeddings for semantic search

Projects

Order Flow Watch (yens5757.github.io/order-flow-watch) Oct 2026 — Current

- Automated weekly collection of SEC Rule 605/606 reports from ~400 broker-dealers using Python and GitHub Actions
- Built a Python ETL pipeline to process SEC filings into DuckDB, handling ~5M rows/month
- Built a React/TypeScript dashboard visualizing order flow payments and execution quality

TaskFlow (gitlab.com/jguu0036/fit3162-event-planner) Aug 2026 — Current

- Built a full-stack event dashboard integrating the Humanitix API with PostgreSQL for event and task management
- Led a team of 5 through planning, requirements gathering, and client feedback with Monash Squash Club
- Cut page load times by ~85% by moving non-blocking database writes out of the request path

Med Track (github.com/yens5757/MedTrack) Mar 2026 — Jun 2026

- Built a medication-tracking Android app in Kotlin/Jetpack Compose using MVVM and Room persistence
- Integrated Google Gemini and OpenFDA APIs with separate patient/clinician roles and SQL-computed statistics

KVis (github.com/yens5757/kvis) Dec 2024 — Feb 2025

- Built a Redis-compatible key-value server in Python and asyncio with key expiry and RDB snapshot loading
- Implemented primary-replica replication with a PSYNC handshake, write propagation and offset-based WAIT
- Built a streaming RESP parser for pipelined and fragmented TCP input, handling 256 MB writes in 1.2s

Extracurricular Activities

Machine Learning Team Member Mar 2026 — Aug 2026
Monash DeepNeuron *Melbourne*

- Trained an Auslan fingerspelling classifier to 97.4% validation accuracy, cutting error ~60% over baseline

Software Team Member Aug 2025 — Jul 2026
Monash Nova Rover *Melbourne*

- Extended the internal GUI using TypeScript and React, and built a camera configuration management feature
- Helped migrate the simulation environment from Gazebo to Unity, developing C# scripts, rover models and terrain

AXON (UniHack Project) (devpost.com/software/axon-learning) Mar 2025 — Mar 2025

- Led a 6-person team to build a full-stack project in 48 hours, placing 3rd in the First Timers Prize

Skills

- **Programming Languages**: Python, TypeScript, JavaScript, SQL, C#, C++, Kotlin, Java, Ruby
- **Frameworks & Libraries**: React, Next.js, Angular, Tailwind, Node.js, Express, Jetpack Compose, asyncio
- **Databases & Cloud**: PostgreSQL, Supabase, pgvector, MySQL, MongoDB, Redis, Oracle, AWS, Azure
- **Skills & Tools**: DSA, OOP, Functional Programming, REST APIs, Unit Testing, Git, Linux (NixOS), Jira