Dylan Mak

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EDUCATION

University of New South Wales   **2021 – 2025**
Bachelor of Actuarial Studies / Computer Science
Distinction WAM in Computer Science
Faculty of Engineering Dean's Honours List 2021

Sydney Technical High School   **2015 - 2020**
HSC – *ATAR: 97.3*

EXPERIENCES

Circana   **September – November 2024**
Business Technology Intern
- Collaborated with the intern group on a **change management project** involving **surveying**, **analysing** the gap and **presenting** a solution to executives.
- Conducted **data analysis** on survey results to identify process improvement opportunities.
- Enhanced financial reporting tools through Excel automation and improved UI workflows with **PowerApps**.
- Developed **modular HTML components** for a financial calculator with **Angular** and **Javascript** and helped **extend Excel scripts** for presenting data.

Woodward Tennis Academy   **2021 – Present**
Tennis Coach

UNSW Game Development Society   **October 2024**
SXSW Subcommittee
- Designed and developed an online strategy game, *Ready, Set, Block!*
- Presented the game at UNSW Hobbycon, learning **marketing** skills and **adapting** to feedback.

UNSW Campus Runners   **June 2025**
Pacing Subcommittee

PROJECTS

- **[High Distinction]** Built and delivered full-stack features for a Waiting Management System (COMP3900), implementing **React**-based UI components, **Node.js** REST APIs, and **MongoDB** database integration.
- **[High Distinction]** Designed system architecture and implemented core backend functionality for a Teams-like communication service in COMP1531 (Software Engineering Fundamentals), using **Python** and applying software engineering principles in a team environment.
- Co-developed **Ready Set Block**, a multiplayer game project evolved across **Java**, **Unity**, and **Godot**, focusing on gameplay systems, backend services, and iterative refactoring.
- Independently worked on LifeHub, a collection of personal apps for my own everyday use with **Node.js** and **React**.

SKILLS

- **Programming:** Proficient in **Python**, **Java**, **JavaScript, TypeScript**, knowledge of R, C# and C
- **Data analysis:** Familiarity with **data manipulation** and visualization tools (e.g., ggplot2, Matplotlib)

Referees available upon request