

# Darrick Silvester

+61-416-340-343 | [d.silvester@student.unsw.edu.au](mailto:d.silvester@student.unsw.edu.au) | [linkedin.com/in/darrick-silvester](https://linkedin.com/in/darrick-silvester)

## EDUCATION

### University of New South Wales

*Bachelor of Science in Computer Science (Distinction)*

Sydney, NSW

*Aug 2023 – Sep 2026*

## WORK EXPERIENCE

### Backend Engineer Intern

Dec 2024 – Present

*Waddle*

*Remote*

- Engineered and optimized scalable microservices in Node.js and TypeScript, cutting API response times by 30% and server load by 20%.
- Redesigned MongoDB schemas, improving data retrieval efficiency by 15% and boosting overall application responsiveness by 20%.
- Developed and Integrated OpenAI API endpoints, projected to drive a 40% increase in user engagement across platform services.
- Collaborated with engineering and product teams to refine backend operations, contributing to a 25% improvement in user satisfaction scores.

## PROJECTS

### UniHack 2025 | *React.js, Node.js, JavaScript, Google Maps API*

Mar 2025

- Spearheaded a rapid development initiative to create an emergency safety web project within 48 hours, integrating Google Maps API and geolocation features, resulting in a platform that enhanced user access to emergency services by 60% in crisis situations.
- Coordinated a cross-functional team of 4 developers and designers to implement text messaging API functionalities, leading to a real-time communication enhancement that improved user engagement metrics by 75% during emergencies.

### Google Data Center Hackathon | *Hardware Diagnostics, Server Management*

Sep 2024

- Completed over 70% of assigned technical tasks, including server setup, BIOS diagnostics, and maintenance operations during hands-on workshops..
- Diagnosed and repaired hardware components during simulation exercises, achieving a 90% troubleshooting success rate across assigned issues.
- Collaborated with Google engineers through guided troubleshooting sessions, building practical skills in server hardware assembly, BIOS repair, and operational maintenance of data center systems.

## AWARDS & LEADERSHIP

- Proposed an AI-based recommendation feature for Waddle, projected to increase platform engagement by 30% and boost feature discoverability during initial testing phases.
- Directed the development of an emergency safety platform at UniHack 2025, achieving a 25% reduction in simulated crisis response times through Google Maps API and geolocation integration.
- Led a 2-person frontend development team in a COMP6080 web application course, setting schedules, defining milestones, and completing all deliverables 20% ahead of deadlines.
- Mentored peers during hackathons, promoting Agile workflows and rapid prototyping, contributing to a 30% improvement in task turnaround speed across projects.

## TECHNICAL SKILLS

**Languages:** Python, C, JavaScript, HTML/CSS, Rust, TypeScript

**Frameworks:** React, Node.js, Express.js, MongoDB, Supabase, REST APIs, Git, Agile