

OVERVIEW

I am a Junior Computer Science Undergraduate from UC Berkeley under Concurrent Enrolment. I am also a Singapore Industry Scholar (SgIS) recipient under **Micron Semiconductor Asia Operations Pte Ltd.** I enjoy applying programming, engineering domain knowledge and business expertise to solve issues and create impact that's greater than myself. I am looking for an internship opportunity from May to Aug 2026.

EDUCATION

Nanyang Technological University, Singapore Aug 2023 - Nov 2027
Bachelor of Engineering Science (Specialisation in Computer Science), CGPA: 4.58/5.00

- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Operating Systems, Databases

University of California, Berkeley Aug 2025 - May 2026
Computer Science, CGPA: 3.67/4.00

- Relevant Coursework: Machine Learning, Artificial Intelligence, Computer Architecture

EXPERIENCE

Home Team Science & Technology Agency Jan 2025 – Jul 2025
Robotics & Machine Learning Intern

- Designed and implemented a ROS2 Python workspace that took video footage and depth data and user prompts, and outputted robotic movements using an Interbotix PX100 robot with reference to RoboPoint
- Documented advantages and shortcomings of various research papers (RoboPoint vs OpenFlamingo vs NVILA), ROS2 versions (Humble vs Jazzy), open-source models (LLaMA vs Vicuna vs Qwen) and training methods (Streaming vs Offline Training) in above use case
- Created and maintained ROS2 Humble Workspace on Ubuntu 22.04 using Docker Images

Jalan Journey Mar 2023 - Aug 2024
Project and Administrative Associate

- Oversaw accounting and daily operational activities, including business development and logistics management
- Spearheaded projects and liaised with third-party vendors, impacting 1000 students across multiple countries

Self-initiated Projects

- Created a Personal Portfolio website using Next.JS framework, and deployed using Vercel
- Created an Icebreaker website using Next.JS framework and Supabase, and deployed using Vercel
 - Demonstrated User Authentication using Supabase Auth

AWARDS AND ACHIEVEMENTS

First Runner-up in HacXI: Hack for Public Safety

- Prototyped a device aimed at minimising property damage on window railings during rescue missions from height performed by the SCDF DART team
- Relevant Skills included Computer-Aided Design and Manufacturing and Presentation Pitching

CO-CURRICULAR ACTIVITIES

REClub Jul 2024 - May 2025
Head of Social Welfare

- Pioneered mentoring initiatives for freshmen, benefitting 100 students
- Oversaw operations of Social Welfare Club, including handling administrative matters, communicating with third-party vendors, organising multiple community events and kick-starting welfare initiatives for 200 students

Thrive Social Consulting Jan 2025 - Apr 2025
Deputy Project Leader

- Worked with Project Leader to manage a team of 6 on a consulting project with an external non-profit organization
- Relevant Skills included Communication, Team Management and Conflict Management

SKILLS

Languages: Proficient in English and Chinese

Certificates: Google Data Analytics & Google Advanced Data Analytics