

RUBY LIU

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PROFILE

Recent Computer Science graduate from the University of New South Wales with a strong technical foundation in software development, algorithm integration, and front-end frameworks
Starting work at age 15, developed adaptability, resilience, and the ability to self-finance all academic pursuits

EDUCATION

Bachelor of Computer Science
University of New South Wales
Minor in Marketing

February 2021 - August 2025

TECHNICAL SKILLS

- Programming Languages: C | Java | JavaScript | Typescript | Python | React | HTML & CSS | SQL | MIPS Assembly
- Technical: MATLAB experience, Microsoft Office Suite (Word, PowerPoint and Excel), Figma, VS Code, PostgreSQL, Cypress
- Certifications: First Aid, Blue Knot Complex Trauma

EMPLOYMENT HISTORY

Software Engineer Intern
CalcTree

July 2025 - Present

- Developed and maintained synthetic browser tests using Datadog to ensure reliability and performance of web-based features
- Identified and documented UI regressions and performance issues through automated testing pipelines
- Collaborated with engineers and product teams to debug failed test cases and improve monitoring coverage

UX/UI Designer
oNex - Fitness App Startup

April 2025 - Present

- Spearheaded design of a mobile fitness app, including user research, prototyping, and usability testing
- Led a cross-functional team of designers and developers to implement responsive UI

Support Educator
Leichhardt Out of School Hours (LOOSH)

October 2023 - Present

- Led engaging, educational activities for 100+ children per session, fostering creativity and teamwork
- Sustained a safe and supportive environment for all students

Studio Assistant
Tutu Studios

March 2020 - December 2023

- Instructed over 50 children aged 4-10 annually, implementing dance theory, practice, and performance

Hotel Front Desk Receptionist
Lizard Creek 4.5-star Hotel

November 2022 - March 2023

- Maintained communication with Housekeeping, Maintenance and Food & Beverage departments
- Trained 4 new hires, improving check-in efficiency by 20%
- Managed night audits for \$30,000+ in daily transactions, ensuring accuracy and compliance

Receptionist and Lifeguard

February 2021 - January 2022

UNSW Fitness and Aquatic Centre

- Required to organise bookings for venue hire and swim school enrolment
- Ensured potential safety issues causing injury to staff or patrons were addressed or reported immediately

Cashier

March 2017 - March 2018

Cashier/Customer Service - Kmart

- Excelled in a mass market retailer busy working environments
- Processed transactions for 200+ customers daily, maintaining 100% error-free cash handling

RELEVANT PROJECTS

Innovator PRO - Intrapreneurship Competition

February 2025

University of New South Wales

- Collaborated with Regen Sydney and Waverley Council to develop innovative approaches for socio-ecological wellbeing, focusing on economic improvement, quality of life, and civic innovation
- Designed data insights to identify gaps in the Doughnut Model and support a regenerative future for Sydney

Gate Gourmet AI Project - Based in Naritua, Japan

August 2024 - September 2024

University of New South Wales

- Optimised shift assignments using AI for Gate Gourmet warehousing facility with the goal to reduce overtime and employee moral
- Pitched solutions to Naritua management team, then invited to re pitch ideas to Sydney team upon return

EXTRACURRICULAR

- European Handball: Represented Australia from 2019-2020 in International Handball Federation (IHF) competitions. Currently training with Australian womans squad
- eReuse: Volunteering in UNSW's eReuse program by refurbishing donated electronics to help divert e-waste from landfill and provide affordable tech to disadvantaged communities
- Netball Coach: volunteered to coach team of 10 players aged 8-10, led the team to a top-three season finish in consecutive seasons
- UNSW Arc Representative 2021

AWARDS AND RECOGNITIONS

- UNSW New Colombo Plan Ambassador (2024): Selected as a representative for promoting cross-cultural engagement in the Asia-Pacific
- UNSW Equity Award (2023): Recognised for academic excellence while overcoming financial barriers
- The Local Sporting Champions AIS Recipient (2019): For representing Australia in European Handball
- Southern Cross Cultural Exchange Scholarship (2018): Sponsored to study abroad, fostering cultural adaptability and linguistic skills

REFEREES

Will promptly be supplied on request

ADDITIONAL INFORMATION

Portfolio - <https://rubyliuporfolio.my.canva.site/let-s-meet-ruby-website>