

AGNES TJOKROSETIO

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EDUCATION

University of New South Wales: Bachelor of Computer Science / Commerce

2023 - 2026 (EXPECTED)

WAM: 81.5 | Majors: Computer Science, Finance

St George Girls High School: Higher School Certificate

2017 - 2022

ATAR: 98.40 | Subjects: Modern History, Mathematics Extension 1, Mathematics Extension 2, English Advanced, Music 2

WORK EXPERIENCE

Casual Academic | UNSW, Kensington, NSW, Australia

Sep 2024 - PRESENT

- Tutoring and lab assisting multiple classes of students in the course Computer Systems Fundamentals (COMP1521)
- Conducting labs to guide students in understanding course content, facilitating help sessions and assisting on online forums
- Perform marking of students' assignments and exams and involved in invigilating numerous course examinations

Student Mentor | UNSW, Kensington, NSW, Australia

May 2024 - PRESENT

- Guiding and mentoring first year students in their studies while fostering a collaborative and supportive environment.
- Provide peer tutoring and general advice to students regarding first year Mathematics courses.

Mathematics Tutor / Marker | Dr Du Education, Burwood, NSW, Australia

Feb 2023 - PRESENT

- Tutoring Year 11 students in Mathematics (Advanced & Extension 1) and Year 12 students in Mathematics (Advanced, Extension 1 & Extension 2).
- Teaching with clarity and patience, guiding students through worked homework solutions and school questions termly.
- Perform marking of students' work, including marking weekly quizzes and homework across Year 9 to Year 12 students.

Tutor | Abacus Coaching Center, Kensington, NSW, Australia

Jan 2020 - Jan 2022

- Supervised a number of small grouped primary school students (Kindergarten ~ Year 6).
- Teaching Mathematics (simple mental arithmetic and more advanced worded problems) and English (reading, writing, grammar, and vocabulary) and initiated discussions for problem solving.

PROJECT EXPERIENCE

VIP Student Software Engineer | UNSW Mending Broken Hearts

Feb 2025 - PRESENT

- Refining and designing the patient app accompanying the artificial heart
- Building the website and desktop app for clinician access
- Collaborating with other teams (Systems) to integrate sensors and Bluetooth into the app backend

LEADERSHIP AND ACTIVITIES

IT Director | UNSW Financial Technology Society

Nov 2024 - PRESENT

- Maintaining operation functionality by managing IT platforms (website, communication channels, emails and cloud drive).
- Leading a team of subcommittee members with my co-directors to oversee the technical maintenance of the society
- Organised team building events for the portfolio team.

General Vollie | UNSW Arc Wellness Warriors

May 2024 - PRESENT

- Spreading the wellness message across the UNSW campus
- Challenge the struggles of mental health and well-being with weekly in-person and online activations

Marketing Subcommittee | UNSW Computer Science and Engineering Society

Mar 2023 - Nov 2023

- Worked with other subcommittee members in creating graphic designs, written event descriptions and scheduling content on all social media platforms.
- Created promotional content using social media, photography and recording videos of CS ESoc's social events.

SKILLS

- **General:** Teamwork, Organizational & Time Management, Communication, Critical Thinking, Problem Solving, Teaching
- **Programming Languages:** C, MIPS Assembly, Java, SQL/PLpgSQL, Python, R, JavaScript, TypeScript, HTML, CSS, React
- **Systems/Platforms:** Microsoft Office & Teams, Google Workspace, PostgreSQL, SQLite, pycopg2, GitLab/GitHub, Maple, VSCode, RStudio, Framer