

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

Notable Computer Science Courses: Web Front-End Programming, Mathematics 1A & 1B, Discrete Mathematics

Notable Finance Courses: Capital Markets and Institutions

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)
- Guided students in understanding course content, facilitating help sessions and assisting on online forums
- Perform marking of students' assignments and exams; invigilating numerous course examinations

Student Mentor | UNSW, Kensington, NSW, Australia **May 2024 - PRESENT**

- Guiding and mentoring first year students in their studies; fostering a collaborative and supportive environment
- Providing peer tutoring and general advice regarding first year Mathematics and Computer Science courses

Mathematics Tutor / Marker | Dr Du Education, Burwood, NSW, Australia **Feb 2023 - Apr 2025**

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

PROJECTS

UNSW Mending Broken Hearts | Role: Software Engineer (VIP Student) **Feb 2025 - PRESENT**

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

LEADERSHIP & ACTIVITIES

IT Director | UNSW Forex Association **Apr 2025 - PRESENT**

- Responsible for designing, building and maintaining UNSW FXA's website alongside my co-director
- Developed and optimised internal tools to streamline workflows, collaboration and improve member engagement
- Leading and managing a team of subcommittee to facilitate growth and skill development

IT Director | UNSW Financial Technology Society **Nov 2024 - PRESENT**

- Managing operation functionality through 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
- Proposing and organising team building activities and events for the portfolio team

Marketing Subcommittee | UNSW Computer Science and Engineering Society **Mar 2023 - Nov 2023**

- Created graphic designs, event descriptions and scheduling content on social media platforms with other members
- Created promotional content using social media, photography and recording videos of CS&ESoc's social events

SKILLS

- **General:** Teamwork, Organisational & 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, Google Workspace, PostgreSQL, SQLite, psycopg2, GitLab/GitHub, Framer