

AGNES TJOKROSETIO

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EDUCATION

Bachelor of Computer Science / Commerce | University of New South Wales **2023 - 2026 (EXPECTED)**

WAM: 81.545 (DISTINCTION) | *Majors:* Computer Science, Finance

Notable Computer Science Courses (85+): Web Front-End Programming, Mathematics 1A, Mathematics 1B, Discrete Mathematics

Notable Commerce Courses (80+): Capital Markets and Institutions, Toolkit for Finance, Social Entrepreneur Practicum

Higher School Certificate | St George Girls High School **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 ~20 students) in the course Computer Systems Fundamentals
- Facilitating labs, help sessions and online forums to support student learning and problem solving
- Assessed student performance by marking assignments and exams and exam invigilating numerous course examinations

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

- Provided peer tutoring and support to first year students in first year mathematics courses (Mathematics 1A, Mathematics 1B, and Discrete Mathematics)
- Contributed to the study hub environment by fostering collaboration, guidance and peer-to-peer learning to help students transition to university level course work

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

- Tutoring senior high school students in Mathematics curriculum (Mathematics Advanced, Extension 1 and Extension 2)
- Teaching with clarity and patience, guiding students through weekly homework, quizzes and school questions
- Assessed student progress by marking weekly quizzes and homework across Year 9 to 12 students

PROJECTS

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

- Designed and developed a patient mobile application to support heart monitoring and health management
- Designed the clinician website and desktop application for real time access to patient data
- Collaborated with the Control Systems team to integrate sensors into the application backend

presto **Oct 2024 - Nov 2024**

- Developed a web-based presentation platform in React.js with a teammate, replicating the functionality of slides.com
- Implemented user authentication (login, register, logout) and a dashboard for managing presentations and slides
- Built an interactive slide editor supporting text, images, videos, code and resizable components
- Built advanced features such as revision history, URL updating and slide transitions

EXTRACURRICULAR

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

- Designed, built and maintained the UNSW FXA website with a co-director, working on ensuring usability and reach
- Developed and optimised internal tools to streamline workflows, collaboration and improve member engagement
- Leading a team of subcommittee to facilitate growth and skill development and enhancing member engagement through portfolio events and activities

SKILLS

- **General:** Collaboration, Communication, Problem Solving, Adaptability, Leadership and Management
- **Programming Languages:** C, MIPS Assembly, Java, SQL, Python, JavaScript, TypeScript, React (.js & Native)
- **Systems/Platforms:** GitLab/GitHub, Figma, Expo, Vite, PostgreSQL