

# 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)
- Guided students in understanding course content, facilitating help sessions and assisting on online forums
- Perform marking of students' assignments and exams and 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
- Providing peer tutoring and general advice to students regarding first year Mathematics and Computer Science courses

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

- Tutoring Year 11 and 12 students in Mathematics (involves Mathematics Advanced, Extension 1 and 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 to 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

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

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

## LEADERSHIP AND ACTIVITIES

**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

**General Vollie | UNSW Arc Wellness Warriors** May 2024 - PRESENT

- Spreading wellness messages across the UNSW campus to promote wellbeing events and awareness of wellbeing
- Coordinated with other members to challenge mental health struggles 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 CSESoc'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 Office and Teams, Google Workspace, PostgreSQL, SQLite, psycpg2, GitLab/GitHub, Maple, VSCode, RStudio, Framer