

MANHUA LU

manhua.lu64@gmail.com ♦ 0424615810

OBJECTIVE

An eager and hardworking 3rd year student looking to strengthen my love for technology!

EDUCATION

Bachelor of Computer Science and Commerce, University of New South Wales 2021 - 2024
(Distinction WAM, Scholarship recipient for the Academic Achievement Awards)

Relevant Coursework: Algorithms and Programming Techniques, Data Structures and Algorithms, Database Systems, Object-Oriented Design and Programming, Software Construction: Techniques and Tools

SKILLS

Technical Skills React, TypeScript, JavaScript, Python, Java, C, MIPS Assembly, Bash, Flask, Git
CSS, HTML, React MUI, Tailwind, Radix UI, Nest.js, Next.js, SQL, PostgreSQL, Psycopg2

PROJECTS

Notangles. — TypeScript, React, HTML, CSS, Node.js

As a part of UNSW CSESoc Projects, developed a web application with a drag-and-drop interface for students to plan their timetables. Personally implemented functionality to drag-and-drop custom-user events. ([Try it here](#))

Student Markbook. — React, Next.js, Nest.js, GraphQL, Tailwind, Radix UI

A web application that allows me to create classes to store my students' exam marks, calculate averages and view progress.

Streams Backend. — Python, Flask, Git

As a group, created a communication tool which allows sharing and collaborating. Developed it's web server and planned the project with Use-Case and State Diagrams.

Modern DungeonMania. — Java, JUnit

Built the backend of a web application. Produced UML Diagrams and applied software design principles/patterns. Adapted and synthesised to changes in requirements.

EXTRA-CURRICULAR ACTIVITIES

- **UNSW CSESoc Projects Director.** Feb 2022 – Present
Led a team of 10 to continuously improve and deploy new features for Notangles. Utilise Jira, Confluence and review Github pull requests. Attend weekly meetings and standups.
- **UNSW CompClub Mentor.** May 2022 – Present
Held free workshops that taught students of years 7 to 12 Python, Web Development and Shell. Promoted computing to younger generation by creating a fun and collaborative environment.
- **UNSW CSESoc Peer Mentor.** Feb 2022 – May 2022
Led weekly meetups to help first year students transition to university in their first semester. Communicated with mentees one-on-one to ensure they feel happy and safe.

WORK EXPERIENCE

Science High School Tutor and Receptionist Nov 2020 – Present
PEAK Tuition *Cabramatta, NSW*

- Led classes to teach high school students Science.
- Wrote theory and corrected exams.
- As receptionist, handled payments, entered student data, answered queries and resolved complaints all while in a fast-paced environment.