

Oscar Elliott

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EDUCATION

The University of Adelaide
Bachelor of Software Engineering

February 2021 – November 2025 (Expected)

WORK EXPERIENCE

Freelance Tutor

March 2021 – September 2023

I worked with University and Highschool students, teaching 1st and 2nd year Computer Science courses as well as high school maths. Through my concrete understanding and clear communication skills I helped many students improve their understanding of concepts and hence their performance academically.

PROJECTS

Linux Shell

January 2024

Developed a Linux Shell in C, adhering to the POSIX API standards. This shell emulates the user experience of interacting with the PC's filesystem, akin to using a terminal on a UNIX-type system. This project serves as a showcase of my knowledge in C and system-level understanding.

Paxos Consensus Mechanism

September 2023

Implemented a robust Java-based Paxos consensus mechanism project that facilitates consensus among a network. This distributed algorithm seamlessly manages connect, prepare, accept, and consensus phases, implementing a reliable central server for effective communication. The project showcases my proficiency in Java and a deep understanding of distributed systems, emphasizing the critical role of fault tolerance and scalability.

COMMUNITY INVOLVEMENT

Participant, CPC – Coding Competition

November 2023 - Present

Contributed to a top-10 finish in the CPC Coding Competition, solving 8 out of 10 challenging Codeforces problems in a three-person team, showcasing adept problem-solving skills under pressure. Demonstrated versatility in addressing diverse coding challenges, contributing significantly to our team's success.

Participant, Lot 14 Space & Innovation Hackathon.

July 2023

During this hackathon I collaborated with a team of six students to brainstorm, plan, research and assess feasibility of a solution in removing space debris. We presented a report of our proposed solution to a board on industry judges.

LANGUAGES

Skilled: C++, Java, Python, C, Git

Proficient: HTML, MATLAB, Pinescript, Docker