

Oscar Elliott

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EDUCATION

Bachelor of Software Engineering, The University of Adelaide 2025 (Expected)

Relevant Studies: Algorithm & Data Structure Analysis, Artificial Intelligence, Algorithms & Data Structures, Operating Systems, Distributed Systems, Object-Oriented Programming, Software Engineering.

PROJECTS

Linux Shell

Developed a straightforward Linux Shell in C, adhering to the POSIX API standards. This shell aims to emulate 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 programming and system-level understanding.

Paxos Consensus Mechanism

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, employing a reliable central server for effective communication. The project showcases my proficiency in Java programming and a deep understanding of distributed systems, emphasizing the critical aspects of fault tolerance and scalability.

COMMUNITY INVOLVEMENT

Community Member, Ravi's Study Program November 2023 - Present

As a part of this community driven study program, I sharpen my skills and help other students develop their understanding of programming concepts.

Participant, Lot 14 Space & Innovation Hackathon. July 2023

During this hackathon I collaborated with a team of five other participants to brainstorm, plan, research and assess feasibility and effectiveness of a solution to removing space debris. Before presenting a report of our proposed solution to a board on industry judges.

LANGUAGES

Skilled: C++, Java, Python, C

Experienced: HTML, MATLAB, Pinescript