

Oscar Elliott

OscarAnthonyElliott@gmail.com | +61 490255522 | Adelaide, SA, Australia

github.com/OscarElliott | linkedin.com/in/Oscar-Elliott | oscarelliott.github.io/

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](#) 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

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

As a part of this community driven study program, I am sharpening my skills and helping other students develop their understanding of programming concepts in the field of algorithm and data structure analysis as well as problem solving.

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

Experienced: HTML, MATLAB, Pinescript