

# Oscar Elliott

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## EDUCATION

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**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

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### Automated Trading Bot

Back tested and developed an algorithmic trading bot in python which makes use of Binance API, Trading View Webhooks and a custom Trading View Strategy coded in Pinescript. The Bot in combination with the Trading Strategy has produced excellent returns since its deployment.

### AI Course

The projects of related to this course included an implementation of Dijkstra's Algorithm to navigate mazes with elevations, A Kd-Tree to predict wine quality based on its measured properties and a robot localisation problem using a Viterbi forward algorithm.

## COMMUNITY INVOLVEMENT

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**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

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**Skilled:** C++, Java, Python, C

**Experienced:** HTML, MATLAB, Pinescript