

# Quinn Hindmarsh

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## EDUCATION

### University of South Australia

Bachelor of Software Engineering (honours) | GPA: 6.57/7

Adelaide, SA

Feb 2024 — Dec 2026

## PROJECTS

### Desktop Sudoku app, Creator

Jan 2025 — Present

- Created a full-stack Sudoku application in Python using Tkinter for the GUI. Implemented and optimised NP-complete algorithms to solve and generate Sudoku boards. My algorithm was able to solve 100,000 Sudoku puzzles within 30 seconds.

### Community Discord Bot, Creator and Maintainer

Sep 2024 — Present

- Originally developed in 7 days for a code jam event, and is now an open-source project where club members can use it as an introduction to contributing to open source.
- Used by club executives to manage memberships, events and club members.
- Created in Python using the Discord.py library. Hosted with 99%+ uptime on Microsoft Azure.

## EXTRACURRICULAR ACTIVITIES

### UniSA Programming Community (UPC)

Aug 2024 — Present

- Co-Founder and Co-President of UPC, a club designed to connect committed students dedicated to a career in software engineering and host events designed to develop attendees' technical skills.
- Organised many software engineering-based events. including, hackathons, code-jams, competitive programming, workshops and collaborated with similar clubs across Adelaide.

### Competitive programming

Feb 2025

- Participated in a ICPC style competitive programming competition that was sponsored by IMC and hosted by the University of Adelaide Competitive Programming Club.
- Collaborated in a team of 3 to solve difficult programming problems, often focused on mathematics or data structures and algorithms.

### Ravi's Study Program

Nov 2024 — Feb 2025

- Actively participated in an intensive collaborative course led by volunteers who are in graduate or internship positions at big tech or HFT companies. The course involved a comprehensive theory study on DSA, as well as applying technical problem-solving skills to DSA and OOD problems.

### Hack South 1.0

Nov 2024 — Jan 2025

- Organised a hackathon that received a GitHub sponsorship, over 40 people attended university students across the 3 major universities in Adelaide, and people from the industry.
- Mentored 12 groups, aiding with design, technical issues and preparation for presentations.

## AWARDS

### Year 11 - Year 12

Newcastle, NSW

Lambton High School

Feb 2022 — Dec 2023

- 2 University of Newcastle Excellence Award - Awarded for my performance in Software Design and Development, and for Information Processes Technology.
- 2 Lambton High School Academic Excellence Medals - Awarded in both year 11 and year 12 for overall academic performance, particularly in STEM subjects.
- 3 Lambton High School first in Course Awards - Awarded for Information Process and Technologies in year 12, and for Software Design and Development in both years 11 and 12.

## SKILLS

- Programming Languages:** Python, Java, CSS/HTML, SQL, C++
- Technologies:** Git, Bootstrap, Flask, Microsoft SQL Server Management Studio