

Otto Hedger

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Location: City, State

Education

University of Adelaide (Expected July 2026)

Bachelor of Mathematical and Computer Sciences

- Major: Data Science; Currently pursuing Honours in Data Science

- Relevant Courses: Data Structures, Algorithms, Object-Oriented Programming, Web Development, Database Management, Statistical Modelling

Projects

Resume Optimizer (January 2025 - February 2025)

- Developed a Python-based resume optimization tool utilizing the OpenAI API to tailor resumes to specific job descriptions, resulting in improved applicant tracking system (ATS) compatibility.

Farming Simulator Game (April 2024 - May 2024)

- Collaborated with a team to create a farming simulator in C++, implementing core game mechanics such as crop growth and harvesting, enhancing user engagement through an interactive leaderboard and gameplay interface.

Single Player Battleship (September 2023 - October 2023)

- Designed and implemented a MATLAB-based single-player Battleship game, incorporating a backtracking algorithm for optimal ship placement, reinforcing programming and algorithmic problem-solving skills.
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Work Experience

KFC Shift Supervisor (February 2024 - February 2025)

- Led a team of 5-12 staff in a high-volume environment, overseeing operations with daily sales reaching \$20,000 and ensuring adherence to service quality standards, which improved customer satisfaction ratings.
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Community Involvement

Raviâ€™s Study Program, Community Member (November 2024 - February 2025)

- Engaged in a software engineering bootcamp, providing coding mentorship and conducting mock interviews for over 100 participants, enhancing community engagement and technical skill development.

RSP x Competitive Programming Club Competition (February 2025)

- Participated in a 5-hour coding challenge, successfully solving 14 problems, which cultivated teamwork and advanced problem-solving skills in a competitive environment.
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Skills

- **Programming Languages:** C++ (Fluent), Python (Proficient), R (Proficient), MATLAB (Proficient), C (Proficient)
 - **Technical Skills:** Object-Oriented Programming, Data Structures, Algorithms, Web Development, Database Management, Statistical Analysis
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