

Adelaide, SA, Australia

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Education

Bachelor of Computer Science (Advanced), The University of Adelaide

2025 (Expected)

Relevant Coursework: Algorithm Design & Analysis, Artificial Intelligence, Data Structures, Object-Oriented Programming, Software Engineering

GPA: 6.06 / 7

Work Experience

Research Student — University of Adelaide

October 2023 – September 2023

- I worked with a Computer Science Education researcher to investigate the impact of AI tools and LLMS on student learning, reading research and identifying suitable code tracing problems to test AI tools against.
- I wrote a research paper analyzing my data, discussing the usefulness of LLMs for students, summarizing the key findings of my research.

SAP SuccessFactors Intern — Deloitte

August 2023 – September 2023

- Worked on automating profit margin Excel spreadsheets for the SAP SuccessFactors offering, making client dealings easier and faster. (Javascript)
- Developed an understanding of the SAP SuccessFactors and the technologies used to create HR applications, including AWS and People Forms.

Projects

Spaceship Roguelike Game

Dec 2023 – Present

- Combining my love for programming and videogames, I am working alongside another programmer to develop a 2D roguelike game in Godot, where you traverse the world as a spaceship and defeat waves of enemies to modify and increase the power of your spacecraft.
- I am tasked with implementing various in-game systems, including a functional health-bar and fail state for the game. (Godot Game Engine, GDScript)

University Club System

- Alongside three other group members, I developed a web application that could potentially be used to host or interact with different university clubs, allowing users to join clubs and their events.
- I was responsible for server-side implementations, including AJAX requests to link the application to a database, using Google APIs to implement OAuth Login and the dynamic population of webpages via the database. (SQL, JavaScript, CSS)

Proficient: C++, C, Java, Python, SQL, BASH, JavaScript

Familiar: GDScript, CSS

Additional Experience and Community Involvement

- **Competitive Programming Club: Member (Present):** Learnt about competitive programming and the use of platforms like Leetcode and CodeForces to practice competitive programming.
- **Imam Ali School: Teacher (Present):** Developed learning materials and resources to teach students how to read Arabic and Farsi and engage students with their culture.