

Education

- University of Adelaide

Bachelor of Mathematical and Computer Sciences

Mar 2021 - Present

- Salford College

Certificate III in Micro Business

Jan 2019 - Jan 2020

Projects

- Self Driving Car (Python + Raspberry Pi Zero)

Developed a self driving car program on Python that would stop and make turns if sensors saw an obstacle. Was written and executed on a Raspberry Pi Zero which was connected to a RC car retro-fitted with ultraviolet sensors. Collaborated with my partner on the code of the project along with testing.

- Tetris (Python)

Used pygame to build the classic arcade game Tetris. Made use of classes, inbuilt functions and matrix manipulation to achieve an authentic Tetris game.

- Sudoku Solver (Python)

Used backtracking to create a Sudoku solver on Python. Was able to complete 50 puzzles in 23 seconds.

- RPG Game (C++)

Participated in a group project for a RPG style video game that utilised classes and objects to create assets for the game to use, I was responsible for creating these classes and objects.

- Farming Simulator (GameMaker 2 + GML)

Built a Farming simulator game based on the Harvest Moon series that utilised the GameMaker 2 engine. The game contained multiple features such as a day and night cycle, an Item menu along with assets and music all which I developed myself from scratch using either the GameMaker 2 inbuilt asset creation tool or Musescore for the background music.

Work Experience

The Academy by Deloitte(Intern) - Deloitte

Aug 2023 - Nov 2023

ICT Support Officer - McMahon's Services

June 2021 - July 2022

- Worked as a IT professional for the largest civil engineering company in South Australia, communicating and creating ICT solutions to users all across Australia in a 3,000+ worker company. Was also responsible for the on boarding and setup for new users that joined.

Extra Curricular

Friends of the Billabong

Jan 2018 - Jan 2019

- Helped the local community clean up trash from the St.Peters Billabong that connected to the river Torrens. I would attend these cleaning events on Sundays during the school term and Mondays during the holidays.

Skills

Programming in Multiple languages (C,C++,MATLAB, JavaScript, HTML,Node.js and python)

- Completed multiple projects in the C and C++ languages making use of algorithms and data structures such as hash maps and backtracking. Built multiple website for school projects that involved HTML, CSS ,JavaScript and node.js to create functions in websites such as a video player and a google calendar integration.

Communication

Have development my communication skills in an office environment to support other team members and users with their ICT related issues along with communicating with clients of our business such as Dell and Cisco for out meetings