

Adelaide, SA  
Australia

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## EDUCATION

### The University of Adelaide

Adelaide, SA

*Bachelor of Engineering (Electrical and Electronic) (Computer Engineering Major), with  
Bachelor of Mathematical and Computer Science (Computer Science Major)*

Mar 2018 – Jun 2023

GPA: 6.676 / 7

## WORK EXPERIENCE

### Fivecast

Adelaide, SA

*Undergraduate Software Engineer  
Software Engineering Intern*

Mar 2022 – present

Nov 2021 – Mar 2022

Worked in the product development team creating Fivecast ONYX Vetting, an automated solution providing intelligence insights in security vetting applications. Full stack software development using TypeScript (React), Java, PostgreSQL and Elasticsearch.

### E-Train Interactive

Adelaide, SA

*Content Developer*

Jul 2021 – Nov 2021

Assisted in coding features for the Unity game engine to aid in the development of nursing simulation training modules.

### The University of Adelaide

Adelaide, SA

*PASS (Peer Assisted Study Sessions) Leader for Object-Oriented Programming*

Feb 2019 – Dec 2019

Organised and facilitated twice weekly sessions to assist university students in understanding their programming coursework.

## PROJECTS

### University Honours Project – Constrained Cooperative Agent Creation Using Grammatical Evolution

In a small group investigated the use of Grammatical Evolution (GE) as a method for the creation of cooperative agents using the card game *The Crew* as a model. Wrote code in Python to develop the game environment, and model and train the agents with GE. Resulted in agents able to play *The Crew* at a higher win rate than comparable machine learning and hard coded methods.

### The Adelaide Rover Team GUI – ([GitHub](#))

Worked in a small team to create a web-based GUI to communicate with the Adelaide Rover Team's moon rover. Utilised JavaScript and Node.js to develop the front- and back-end functionality along with HTML and CSS to develop the user interface. Utilised RosBridge and the ROS JavaScript library to develop communication methods between the GUI and the rover.

### COVID-19 Contact Tracing Website – ([GitHub](#))

Worked as a group to create a COVID-19 contact tracing website with full login and venue/location-based check-in capabilities. Specific contributions include the check-in page and map page UI and functionality which tracks and displays all relevant check-ins for different user types. The website was coded using HTML, CSS and JavaScript with Node.js and a MySQL database.

## LANGUAGES

### Proficient

Java, JavaScript / TypeScript (React)

### Experienced

C, C++, Python, HTML, MATLAB, CSS (Stylus), SQL  
(PostgreSQL, MySQL)

## ADDITIONAL ACHIEVEMENTS AND EXPERIENCE

### Golden Key International Honours Society

2020

Achieved membership recognising the top 15% of university students.

### Australian Rover Challenge

2021 – 2022

Member of the University of Adelaide team creating a rover to operate on 'the moon'.

### Women in STEM Careers Program

2020

Completed a yearlong program providing professional development opportunities for women in STEM degrees.

### AFP Missing Persons Hackathon

2019

Member of a team working throughout the hackathon to uncover open-source intelligence for real missing persons cases.