

Education

The University of Adelaide

Dec 2022

Bachelor of Computer Science (Advanced), GPA: 6.87 / 7.0

- Microsoft Alpha Student Ambassador 2020 - 2021
- Academic Integrity Ambassador 2021

Experience

Software Developer Intern – Optiver | C++

Dec 2021 – Feb 2022

- Worked on a standalone application that cross-validates Optiver's calendar dates from external sources. The application can be configured to validate different calendars and further dates
- Wrote an Auto-trader from scratch that made 2 million yen in 2 hours in Japan's OSE Test Market

Teaching Staff (Tutor) – University of Adelaide

Apr 2021 - Current

- Tutor for Matlab & C course that teaches the fundamental concepts of procedural programming for first-year Computer Science Students
- Conducting weekly workshops and practical sessions to go through exercises and doubts on topics

Summer Research Intern – University of Adelaide

Dec 2020 – Feb 2021

- Assisted a professor on a project involving deep learning networks
- Learnt PyTorch to build Convolutional Neural Networks (CNNs) and utilized these networks to analyse wearable sensor data
- Developed a strong foundation for learning from sequence data using LSTM / GRU units

Projects

Traffic Lane Model Tester | Netlogo

Aug – Nov 2021

- Implemented a framework to evaluate distributed decision-making algorithms in dynamic and contested environments
- Wrote and evaluated five different decision-making models where advanced AHP model performed the best overall

Terrorism Data Visualiser | Python

Dec 2020

- Developed a python module to parse through 90k+ terrorist incidents from 2012 to 2018
- The module was then used to analyse trends and fact-check some of major incidents in history
- The results and dynamic visualisations were built using Plotly and NumPy libraries in python

Sequence Game | Swift

Nov 2020

- Wrote an iOS App using Swift where user has to tap on various buttons to get the target sequence
- Devised a random generator system, used to generate level sequence and produce various colours with every click by user

Awards and Volunteering

Executive Dean's Recognition of Academic Excellence Award

Feb 2021

- Awarded to the top 15% of students for exceptional academic achievement throughout their study

Global Citizens Scholarship Recipient.

Feb 2020

- Received 30% reduction in tuition fees for my entire undergraduate degree for scoring 95.6% in Year

PASS (Peer Assisted Study Sessions) Leader | Maths IA and Matlab & C

Feb 2021 - Current

- Combined various study skills to facilitate students in developing independent learning styles

Volunteering

- Student representative for School of Computer Science at University of Adelaide

Mar 2021

- Campus Tour Leader at O' Week Orientation Event, University of Adelaide

Feb 2021

- First year representative for Computer Science School Open Day, UoA

Aug 2020

Languages

Proficient: C++, C, Python, Java, Swift UI**Familiar:** HTML/CSS, SVN, Android