

SUMMARY

19-year-old, second-year Advanced Computer Science (R&D) student at the Australian National University and Software Developer at CSIRO. I am passionate about software and have been programming from a young age, as a result I have co-founded a software consultancy (Lambda Consulting). This is for the purpose of providing me experience with a variety of technologies and experience working in a team to develop software. I am driven and work hard with little supervision towards my goals; this is evident through my achievements thus far.

EDUCATION

Bachelor of Advanced Computing (Research & Development)	2021 - 2024	St Michael's College, Adelaide	2020
<i>Australian National University (ANU)</i>		<i>South Australian Certificate of Education</i>	
<ul style="list-style-type: none"> Attending with National University Scholarship (Awarded for perfect entry score) 7.0 GPA (All HD's) with 92% Weighted Average Mark 		<ul style="list-style-type: none"> 99.95 ATAR (Highest possible ATAR) DUX/Valedictorian of cohort. 	

SKILLS

Languages

- Most Proficient in: Python
- Familiar with: Java, Haskell, Dart, JavaScript (node.js)

Frameworks/Software

- Backend: Flask, SQL
- Frontend: React (Web), Flutter (Mobile)

EXPERIENCE

Software Developer	August 2021 - Present
<i>CSIRO</i>	
<ul style="list-style-type: none"> Developed, tested, and deployed a data-processing pipeline which derives certain hydrological properties of the Murray Darling Basin (largest river system in Australia). This project was completed using Python and taught me the applications of many text-book algorithms and data structures. Due to the scale of the computation the pipeline has been written such that it is distributed on AWS compute using DASK. 	
Software Consultant	October 2021 - Present
<i>Lambda Consulting (https://lambdaconsulting.com.au)</i>	
<ul style="list-style-type: none"> Co-founded this business with friends with the aim of gaining experience in working alongside a customer to develop software solutions and to meet requirements. Working on our first contract, being a loyalty promotional app for a large bar in Canberra, Australia. 	
Software Developer	March 2021 - Present
<i>ANU Rocketry</i>	
<ul style="list-style-type: none"> Designed and managed the development of a new control system for the propulsion sub-team. 	

PROJECTS

MORE: <https://github.com/PSTefa1707>

5th Avenue Bar Membership App (Full stack – Python, Flutter, Dart, SQL, React.Js)	2021
<ul style="list-style-type: none"> Membership and rewards app (Android & iOS) integrating with Square POS for a bar in Canberra. Currently in development, I am working across the full stack. 	
Case Law Search Engine (Full stack – Python, PyTorch, React.Js)	2021
<ul style="list-style-type: none"> Worked on a natural language search website for legal cases in a team of 5. Made design decisions, implemented database infrastructure, and worked to scrape tens of thousands of cases along with metadata to produce training data for a BERT based AI model. Implemented Google's PageRank algorithm on the citations within cases to assist in ordering cases by relevancy. 	
Rocket Control System (Full stack – Python, JavaScript, React.Js)	2021
<ul style="list-style-type: none"> Upon joining the ANU Rocketry team I realized the software that was being used was subpar and unreliable. I then designed and managed the development of a new control system. This control system operates wirelessly, contains error handling and reporting, logging, sequencing, and visualizes sensor readings. 	
WhitelistPy Discord Bot (Python, AWS EC2)	2022
<ul style="list-style-type: none"> Developed a discord bot to manage whitelisting for NFT releases. Has since handled over 5k users including a rush of 3k requests in a minute. Used by the following projects: https://twitter.com/joinrepublic_re, https://twitter.com/DuckFrens 	

AWARDS

South Australian Governor's Commendation – Academic Excellence Award	2021
South Australian Certificate of Education Subject Merit (x5)	2021
DUX of St Michael's College	2020
National Computer Science School Programming Challenge (NCSS) Top 1%	2019