Paras Stefanopoulos

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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 academic and career achievements thus far.

EDUCATION

Bachelor of Advanced Computing (Research & Development) 2021 - 2024
Australian National University (ANU)

- Attending with National University Scholarship (Awarded for perfect entry score)
- 7.0 GPA (All HD's) with 92% Weighted Average Mark

St Michael's College, Adelaide 2020
South Australian Certificate of Education

- 99.95 ATAR (Highest possible ATAR)
- DUX/Valedictorian of cohort.

SKILLS

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

Frameworks/Software
- Backend: Django, Flask, Relational Databases
- Frontend: React (Web), Flutter (Mobile)

EXPERIENCE

Software Developer August 2021 - Present

CSIRO
- 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

Lambda Consulting (https://lambdaconsulting.com.au)
- 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

ANU Rocketry
- 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
- 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
- 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
- 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.

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% 2021