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, competing in programming competitions and working on personal projects. In my spare time I am currently developing a promotion tracking mobile application for a bar in Canberra (currently in deployment phase) and run a software as a service (SaaS).

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, Haskell, Dart, JavaScript (node.js)

Frameworks/Software

- Backend: 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 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) – Code on request 2022

- Membership and rewards app (Android & iOS) integrating with Square POS for a bar in Canberra.
- User accounts, recurring payments, webhooks, admin dashboard webpage.
- Development has been finished. Currently waiting for deployment onto app stores and to begin beta testing.

WhitelistPy Discord Bot (Python, AWS EC2, SQL, Payment Systems, React) – Code on request 2022

- Discord bot developed to solve a niche problem in the deployment of NFT projects. Soon realized the value in the software and monetized it.
- Had to design and implement an automated payment system (Stripe), webpage (React), and discord bot (Python).
- The bot handles thousands of requests per day, and I have maintained perfect uptime with all the related services required to keep the software operational.

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

Burton and Garran Hall Distinguished Scholar 2022

- Awarded for achieving 8/8 High Distinction grades in first year of university.

South Australian Governor's Commendation – Academic Excellence Award 2020

- Awarded for perfect graduating results in South Australia – one of five awarded statewide

South Australian Certificate of Education Subject Merit x 5 2020

- Awarded for achieving in the top 1% of results for a given Year 12 subject. This award was received for every subject.

National Computer Science School Programming Challenge (NCSS) Top 1% 2019