

## 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

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

## SKILLS

| Languages  | Frameworks/Software   |
|--|---|
| <ul style="list-style-type: none"> <li>Most Proficient in: Python, JavaScript (node.js)</li> <li>Familiar with: Java, Haskell, Dart</li> </ul> | <ul style="list-style-type: none"> <li>Backend: Flask, Relational Databases</li> <li>Frontend: React (Web), Flutter (Mobile)</li> </ul> |

## EXPERIENCE

|   |                       |
|---|-----------------------|
| <b>Software Developer</b>   | August 2021 - Present |
| <i>CSIRO</i>  |                       |
| <ul style="list-style-type: none"> <li>Developed, tested, and deployed a data-processing pipeline which derives certain hydrological properties of the Murray Darling Basin (largest river system in Australia).</li> <li>This project was completed using Python and taught me the applications of many text-book algorithms and data structures.</li> <li>Due to the scale of the computation the pipeline has been written such that it is distributed on AWS compute using DASK.</li> </ul> |                       |
| <b>Software Developer</b>   | March 2021 - Present  |
| <i>ANU Rocketry</i>   |                       |
| <ul style="list-style-type: none"> <li>Designed and managed the development of a new control system for the propulsion sub-team.</li> </ul>   |                       |

## PROJECTS

MORE: [HTTPS://GITHUB.COM/PSTefa1707](https://github.com/PSTefa1707)

|   |      |
|---|------|
| <b>5th Avenue Bar Membership App (Full stack – Python, Flutter, Dart, SQL, React.Js) – Code on request</b>  | 2022 |
| <ul style="list-style-type: none"> <li>Membership and rewards app (Android &amp; iOS) integrating with Square POS for a bar in Canberra.</li> <li>User accounts, recurring payments, webhooks, admin dashboard webpage.</li> <li>Development has been finished. Currently waiting for deployment onto app stores and to begin beta testing.</li> </ul>  |      |
| <b><a href="#">WhitelistPy Discord Bot (Python, Node.js, AWS, SQL, Payment Systems, React)</a> – Code on request</b>  | 2022 |
| <ul style="list-style-type: none"> <li>Discord bot developed to solve a niche problem in the deployment of NFT projects. Soon realized the value in the software and monetized it.</li> <li>Had to design and implement an automated payment system (Stripe), webpage (React), and discord bot (Python &amp; Node.js).</li> <li>The system has served over 1000 discord servers and hundreds of thousands of requests.</li> </ul> |      |
| <b><a href="#">Rocket Control System (Full stack – Python, JavaScript, React.Js)</a></b>  | 2021 |
| <ul style="list-style-type: none"> <li>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.</li> <li>This control system operates wirelessly, contains error handling and reporting, logging, sequencing, and visualizes sensor readings.</li> </ul>  |      |

## AWARDS

|  |      |
|--|------|
| <b>Burton and Garran Hall Distinguished Scholar</b>  | 2022 |
| <ul style="list-style-type: none"> <li>Awarded for achieving 8/8 High Distinction grades in first year of university.</li> </ul>   |      |
| <b>South Australian Governor's Commendation – Academic Excellence Award</b>  | 2020 |
| <ul style="list-style-type: none"> <li>Awarded for perfect graduating results in South Australia – one of five awarded statewide</li> </ul>                              |      |
| <b>South Australian Certificate of Education Subject Merit x 5</b>   | 2020 |
| <ul style="list-style-type: none"> <li>Awarded for achieving in the top 1% of results for a given Year 12 subject. This award was received for every subject.</li> </ul> |      |
| <b>National Computer Science School Programming Challenge (NCSS) Top 1%</b>  | 2019 |