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Personal Summary

Adaptable, organised, and quick-thinking; I love working in environments that require a keen technical proficiency, efficiency, and accuracy. I am curious and driven and cannot spend too long with my head outside of a project either for my student team or myself. Outside of my studies and work I enjoy dabbling with electronics, robotics, and a bit of web development. My driving motivation is to one day create intelligent machines that can improve people's lives.

Experience

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|------------------------------|---|
| Mar. 2022 – Present | <i>Autonomous Systems Junior</i> , Monash Motorsport |
| | Working on the actuation side of the autonomous department alongside computing and motion control. This role encompasses use of several skills not limited to C/C++ programming (at both high and low levels), advanced algorithms, 3D modelling, FEA, vehicle dynamics, electronics design, validation, and manufacturing. |
| Aug. 2019 – Present | <i>Academic Tutor</i> , Learnmate Tutoring Pty |
| | Have provided private tutoring for 3 years teaching secondary school mathematics and physics up to the VCE 3-4 level. As of 2022, I work for both parents/students who have contacted me through Learnmate or directly. This role has provided an amazing opportunity to develop several teaching and presenting skills. |
| Jan. 2021 – Present | <i>Front Desk Attendant / PC Technician</i> , Computerbank Victoria Inc |
| | Provided Front Desk service to customers and partnered organisations. This role has provided a chance to refine soft skills like customer service and management. In addition, it has provided an opportunity to develop skills in Linux and computer maintenance and has allowed me to appreciate many different designs. |
| June 2021 – Mar. 2022 | <i>Electrical Subteam Member</i> , Monash Human Power Team |
| | Worked on few different projects that ranged from converter PCBs to strain gauging. This role has provided several different skills including 3D modelling and printing, circuit design, validation, and manufacturing. |
| Feb. 2022 – May 2022 | <i>FaME Peer Mentor</i> , Monash University |
| | Provided mentoring guidance to 20 students as they started first year at Monash. That is, supporting them through orientation and their transition into university. |

Skills

- Programming – proficient in C/C++, MATLAB, Python, Verilog, JS, HTML, SCSS. Experience with several assembly languages and low-level C programming.
- Tools and Environments: Familiar with ROS (Robot Operating System), Linux (Ubuntu, Manjaro and Debian) and Git for version control.
- Computer hardware – experience working on and using microcontroller boards (Arduino boards), sensors and a variety of computer hardware ranging from single board computers (Raspberry Pi family) up to desktop systems.
- 3D modelling – Experience 3D modelling with Solidworks and Siemens NX and hold a Certified Solidworks Associate.
- PCB design and manufacturing - Experience designing and manufacturing PCBs with CAD and soldering techniques.
- Teaching - Strong experience delivering technical math and physics content in a digestible form to students

Education

2021 – Present *Bachelor of Engineering (Honours), Monash University*

- Masters Accelerated Pathway
- Robotics and Mechatronics Engineering – Artificial Intelligence
- Engineering Dean's Honor List 2021

2018 – 2020 *Victorian Certificate of Education (VCE), Suzanne Cory High School*

- English Language, Mathematical Methods, Specialist Mathematics, Physics, Chemistry, Software Development
- Academic Excellence Award (2019)
- Silver Community Engagement Award (2019)
- Silver Community Engagement Award (2020)

Certifications

2022 *Peer Mentoring: Certificate of Completion, Monash University*

2022 *Certified SOLIDWORKS Associate (CSWA)*

2021 *Working with Children Check*

2020 *Responsible Service of Alcohol (RSA) Certificate, VCGLR*

2019 *5th Class Taekwondo Referee Certificate, Australian Taekwondo*