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Projects

- Simulated traffic light system using software and hardware integration
- Designed and build a Mock Circulatory Loop for Total Artificial Heart
- Created mock foldable and portable bridge through CAD and 3D technology

Core Skills

- SOLIDWORKS Certified Associate
- C/Python/MATLAB/MIPS/Verilog
- Prusa 3D PLA printing
- Resin printing
- Electrical Circuit Analysis
- Experienced with Arduino

Language

English

Vietnamese

Luan Duong

As a future mechatronics and robotics engineer with a focus on artificial intelligence, I am actively involved in cutting-edge technology development. My ambition is to contribute to a company that is driven by a shared passion for innovative solutions that promote a sustainable and livable future. Fluent in Vietnamese and English, I embrace continuous learning and seek to make a positive impact on our world. I am looking for an internship opportunity that offers a compelling platform to refine my professional skills and translate academic knowledge into real-world applications. I am excited about the prospect of joining a dynamic team to shape a better tomorrow.

Education

○ Bachelor of Engineering (Honours) 2022 - Current

Mechatronics and Robotics engineer - Artificial Intelligence stream

Monash University (Melbourne, VIC)

GPA: 3.14

WAM: 76 (High Distinction & Distinction Average)

Participant: Monash Global Immersion Guarantee (Suva, Fiji), Monash Co-operative Education Program

○ International Baccalaureate (IB) 2019 - 2021

Mercedes College (Adelaide, SA)

ATAR: 94.25

IB Score: 37/45

Disciplines: Chemistry Higher Level, Mathematics Analysis and Approaches Higher Level, Biology Higher Level, Spanish, Economics, English

Engineering Experience

○ Monash HeartHack Member 2023 - Current

Engineering student team dedicated to designing a Total Artificial Heart to improve the lives of patients with Ischemic heart diseases.

- Team competing in the ISMCS Heart Hackathon competition.
- Contributed to the development of the team's inaugural Mock Circulatory Loop prototype.
- Gained experience in SOLIDWORKS, 3D printing and resin printing

○ Monash FaMe Peer Mentoring 2023

Mentoring organisation with the goal of assisting first-year engineering students in their transition to university life.

- Coordinated gatherings, fostered networking opportunities, and introduced Monash University's first-year students to diverse societies and clubs.
- Offered continuous support and guidance throughout the semester, serving as a compassionate listener and providing valuable advice.

Soft Skills

- Excellent communicator
- Able to work effectively with people from different background culture
- Problem solver through exposure in various work environments
- Positive attitude, always maintain optimism and creative outlook
- Creative in engineering solutions to unique problems
- Natural leader through working in various teams and leading different projects

Work Experience

🍷 **Hospitality Waiter, Family-run Business** 2022 - 2023

Port Melbourne, VIC

Waiter at a local Greek family-run restaurant with the aim of reflecting the heritage of Greek cuisine.

- Maintained a warm and inviting atmosphere, contributing to the restaurant's reputation for exceptional hospitality.
- Assisted in managing the restaurant's daily operations, ensuring seamless service delivery.
- Collaborated closely with kitchen staff to ensure timely and accurate orders, enhancing overall customer satisfaction.
- Demonstrated exceptional multitasking abilities during high-volume shifts, ensuring efficiency and customer contentment.

○ Disability Basketball Umpiring 2019 - 2021

Ingle Farm Recreation Centre, SA

Worked with NDIS (National Disability Insurance Scheme) to organise and oversee inclusive basketball events, fostering a sense of community and belonging for individuals with diverse disabilities.

- Adapted officiating techniques and communication styles to effectively engage with players of varying disability levels, promoting an inclusive and enjoyable experience for all.
- Provided guidance and support to participants, fostering their confidence and skill development in a supportive and accessible sports environment.
- Contributed to the success of inclusive basketball games by promoting teamwork, sportsmanship, and social inclusion among participants.

Basketball Umpiring 2019 - 2022

Ingle Farm/Turramurra/Parafield Recreation Centre, SA

Managed and supervised basketball competitions encompassing diverse age groups, spanning from children to adults, with a focus on ensuring match organisation and athlete safety.

- Fostered a positive and inclusive sports environment, promoting fair play, sportsmanship, and teamwork among participants.
- Demonstrated effective leadership and problem-solving skills to handle unexpected challenges and ensure the successful execution of basketball competitions.
- Implemented safety protocols and guidelines to safeguard the well-being of all athletes and spectators, adhering to established safety standards.

References

Available Upon Request