NATHAN SIVALINGAM

Mechanical Engineering Student

CONTACT

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✉️ nathansivalingampersonal @gmail.com

🌐 mygithub

🌐 mylinkedin

EDUCATION

University of New South Wales
Feb 2021 - Present
Bachelor of Engineering (Honours) and Bachelor of Science (Computer Science) (BE (Hons) BSc)

Crestwood High School
Jan 2015 - Dec 2020
Graduated Dec 2020

SKILLS

Mechanical
2021 - Present
- SolidWorks
- Fusion360

Software
2021 - Present
- C
- Python
- Java
- Arduino
- MATLAB
- Structured Query Language (SQL)
- PostgreSQL
- Shell Script

Electrical
2021 - Present
- Verilog
- Soldering

TECHNICAL EXPERIENCE

HAND GESTURE ROBOT
Python, Arduino, SolidWorks
Dec 2023 - Jan 2024
- Created an automated vehicle capable of being controlled by intricate hand gestures up to 100 metres away
- Managed development of vehicle chassis cover
- Led creation of portfolio responsible for project documentation
- Applied performance-related adjustments during electrical component assembly

WORK EXPERIENCE

LABOURER
Maico Property Services
Dec 2021 - Present

- Conducted job-related duties with composure in high pressure environments
- Produced clear and concise solutions to unorthodox labour intensive problems
- Performed administrative and logistics duties for several large construction projects
- Utilised automated machinery to execute various tasks
- Escorted engineers to areas of construction sites using elevated work platforms

CREW MEMBER
McDonald's
Feb 2019 - Nov 2021

- Demonstrated leadership and teamwork attributes during events of high customer demand
- Led food preparation and product re-stock efficiently and effectively
- Displayed initiative through training requests in other areas of the business

EXTRACURRICULARS

BRAZILIAN JIU JITSU | SPORTS
Gracie Barra Castle Hill
Jul 2022 - Present