NATHAN SIVALINGAM

Mechanical Engineering and Computer Science Student

CONTACT

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🌐 **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
- Construction Induction Card Holder
- EWP Operator License Holder

Software

2021 - Present

- C Family
- Python
- Java
- Arduino
- MATLAB
- SQL
- 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

DEMONSTRATOR

University of New South Wales

Sep 2024 - Present

- Effectively demonstrated strong communication and leadership skills during weekly workshop presentations.
- Exhibited a comprehensive understanding of course content necessary for facilitating workshops.
- Proactively provided additional resources to support student success.

LABOURER

Maico Property Services

Dec 2021 - Jan 2024

- 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.

EXTRACURRICULARS

BRAZILIAN JIU JITSU | SPORTS

Gracie Barra Castle Hill

Jul 2022 - Present