WILLIS MEDWELL

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PROFESSIONAL SUMMARY

Final year Engineering and Computer Science Student looking to apply my academic knowledge and internship experience within dynamic technology-focused organizations. My passion for software development, honed through various work experiences and extracurricular projects, drives me to seek opportunities that will further enhance my skills and jump-start my professional journey.

EXPERIENCE

SUNCORP BANK *Nov 2022 - Feb 2023*
Software Engineering Internship

- Coordinated with a multi-state team to establish systems for collecting and visualizing key performance metrics using DORA metrics, presenting insights to key stakeholders.
- Worked with a range of technologies, including Grafana, ServiceNow, Bitbucket, Jira, and Jenkins, to streamline processes and optimize project performance.
- Collaborated with product owners, technical leads, and end-users to deliver high-quality products that met their needs and expectations.

INFRABUILD STEEL *Nov 2020 - Feb 2021*
Electrical Engineering Internship

- Conducted trials and testing of an RFID system for a metal recycling cart, allowing it to autonomously collect and deposit steel.
- Created and updated electrical drawings of a crane's breaking resistors, leading to a reduction in downtime and sourcing of specialised parts.

EDUCATION

SWINBURNE UNIVERSITY OF TECHNOLOGY *Feb 2019 - Dec 2023*
Bachelor of Engineering (Hons) & Bachelor of Computer Science

- Current 5th Year Student, with a course GPA of 3.87.
- Recipient of the Vice Chancellor's Excellence Scholarship & an Industry Scholarship (Infrabuild).
- Specializing in Electrical Engineering and Software Development.

BALLARAT CLARENDON VCE *Dec 2018*
Graduated with Academic Honours

- Graduated with an 95.3 Atar.
- Actively participated in Senior Boys Soccer and served as a Referee for Senior Girls Soccer.

PERSONAL PROJECTS

TECHNICAL SHOWCASE
A collection of projects written in C/C++ that have been compiled to Web-Assembly using the WASI-SDK.

- Implemented a Raytracer and Worley Noise generator which are all available online on GitHub and at willismedwell.com
- Explored and experimented with advanced techniques such as: SIMD, quad trees, specialised build tools and upcoming technologies.

REFERENCES

Name: Thomas O'Neil
Company: Suncorp
Role: Chapter Lead
Contact:
Thomas.O'NEILL@suncorp.com.au

Name: James Evans
Company: Ballarat Clarendon
Role: Head of Senior School
Contact:
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Name: Lewis O'Neil
Company: Infrabuild
Role: Electrical Engineer
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