Contact

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Top Skills

ROS2 Development

High-Performance Computing

Machine Learning

Conan Dewitt

Biomedical Engineering Technician
Perth, Western Australia, Australia

Summary

I'm a software engineer who enjoys working on complex technical
challenges. I've built experience across medical technology systems,
mobile robotics, and high-performance applications, which has given
me a solid technical foundation.

I have a Bachelor's in Engineering Science and I'm currently
pursuing my Master's in Professional Engineering specialising
in Software Engineering. I enjoy staying up to date with new
technologies and their unique applications.

I focus on writing clean code, collaborating effectively with teams,
and delivering results. I'm adaptable and communicate well, which
helps me contribute to projects across different domains.

Experience

Sir Charles Gairdner Hospital
1 year 9 months

Biomedical Engineering Technician
April 2024 - Present (1 year 6 months)
Nedlands, Western Australia, Australia

- I contributed to the successful launch of eMED2.

- Involved in overhauling and refactoring legacy code in the codebase,
addressing security concerns that needed attention.

- Made extensive updates to eMED's external loan applet, improving its
functionality and reliability.

- My work includes both maintaining existing systems and implementing new
features as the platform continues to evolve.

- Implemented and initialised a Vaultwarden password server that is utilised
by the Medical Technology and Physics team and authored a step-by-step
README with all commands and verification steps to enable reproducible,
secure deployments.

Software Engineering Work Experience Student

January 2024 - March 2024 (3 months)
Nedlands, Western Australia, Australia

- I worked with the team on front-end components for the new NMHS eMED system, which is an internal web platform for managing medical equipment and staff.
- Reviewed and tested code from other team members through Git pull requests and handled merging approved branches into the main development branch.
- Contributed to smaller Med Tech projects, including research and development work on an in-house CPR Training Device.

City of Bayswater

4 years 4 months

Shift Supervisor
April 2024 - December 2024 (9 months)
Embleton, Western Australia, Australia

- I oversaw operations and coordinated instructor schedules in scenarios where flexibility and improvisation were required.
- Managed lesson flow, handled customer inquiries, and ensured safety protocols were followed throughout my domain.

Swim Instructor
September 2020 - April 2024 (3 years 8 months)
Embleton, Western Australia, Australia

- I taught water safety and survival skills to students of various ages, along with squad swimming exercises.
- Stepped into session supervisor roles when needed and handled training and management of new instructors.
- Maintained clear communication between parents and students to avoid misunderstandings and ensure everyone was on the same page.

Education

The University of Western Australia
Master of Professional Engineering, Software Engineering · (July 2023 - November 2025)

The University of Western Australia
Bachelor of Science, Engineering Science · (February 2020 - July 2023)