

William Giles

Software Engineer | Web Development | Embedded Systems

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SUMMARY

My current career goal is to become a full-stack software developer. I love coding, testing and documentation. I enjoy understanding problem structures, how things work and potential solutions. I also relish communicating ideas, collaborating and sharing knowledge and skills.

EXPERIENCE

Software Engineer

Bactosure

09/2023 - Present Wellington, New Zealand

- Developed embedded firmware for Bactosure testing devices.
- Developed machine learning models for testing devices.
- Designed and implemented the web app for employees and customers to manage test results - 100+ devices in the field.
- Managed local networking infrastructure and security for Bactosure Enterprise.
- Managed and used AWS services such as EC2, S3, IoT Core, SES and IAM
- Wrote technical documentation for software features, streamlining onboarding for customers and team members.

OTHER WORK

Domino's Pizza

Palmerston North, New Zealand

03/2022 - 02/2023

I began as a delivery driver and quickly progressed to taking and making orders in the kitchen. Additionally, I was responsible for cleaning and closing the store on certain days.

EDUCATION

Bachelor of Science in Software Engineering

Yoobee Colleges

02/2023 - Present Wellington, New Zealand

- A Average for Assignments
- Will graduate 2025

High School

Palmerston North Boys' High School

02/2018 - 12/2022 Palmerston North, New Zealand

- NCEA Level 3

KEY ACHIEVEMENTS

Top of Electronics

I was awarded top student for Year 11, 12, 13 Electronics.

Wikipedia clone

For one of my Yoobee assignments I recreated Wikipedia with new ai features.

Printed Circuit board

Over the years, I've designed and produced printed circuit boards that I've used to build projects in space-constrained enclosures.

SKILLS

JavaScript	TypeScript	Linux
NextJS	Swift	AWS
Proxmox	Pfsense	React
Raspberry pi	Git	Tensorflow
Python		Agile Development
Embedded Systems		C C++
Software Testing		

CERTIFICATION

UCOL U Skills (Gateway Program)

Gameification and ICT Innovation certificates as part of the gateway program at PNBHS.

NZ Drivers License

Which institution provided the course?

INTERESTS

Technology

I enjoy trying new technology to build things and expand my knowledge.

Coding Challenges

Enjoy solving complex problems through coding and participating in hackathons.

Mentorship

Dedicated to helping others grow by sharing knowledge and experience in programming.