

# HARRY BIRD

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## EDUCATION

### University of New South Wales

Master of Data Science,

### University of Canterbury

Bachelor of Engineering (Honours), Mechanical Engineering, Minor in  
Aerospace Engineering

Sydney, Australia

Jan 2024 – Oct 2025

Christchurch, New Zealand

Feb 2020 – Nov 2023

## EXPERIENCE

### Full Stack Web Developer

Nov 2023 – Present

Gabion1

Wellington, NZ

- Oversaw transition from legacy MS Access System to Custom Web interface using Supabase
- Created eCommerce site using Nuxt and Supabase to provide live pricing
- Developed performance dashboards using JavaScript and SQL to monitor company sales and stock
- Currently overseeing adoption of Odoo

### Building Services Intern

Nov 2022 – Feb 2023

Aurecon

Christchurch, NZ

- Developed understanding of Mechanical Building Services and collaborated with team members to develop energy-efficient solutions for buildings
- Conducted thermal modelling using software to determine building heating and cooling loads
- Gained valuable experience in a professional consulting environment.

## PROJECTS

### Central America Rail Network Feasibility Study

- Comprehensively researched the challenges and opportunities in developing passenger and freight rail connections in Central America.
- Analyses financial and risk management data, and combined it with regional demographics to create a comprehensive study.

### Temperature Monitoring Station

- Used an Arduino and an old desktop to create a weather monitoring station with historical data.
- Developed skills in networking and self-hosting using docker.

## SKILLS

**Professional Skills:** Python, SQL, JavaScript, Machine Learning, Docker, Typst, Data Science,

**Programming Languages:** Python, SQL, R, MATLAB, JavaScript, Nuxt, SvelteKit, LaTeX, Typst

**Languages:** English(native), Spanish(B2)