

Harry Bird

(+64) 20 4135 7900 | harrybird.nz@gmail.com | NZ Citizen | UK Citizen

EDUCATION

University of New South Wales
Master of Data Science

Sydney, Australia
Jan 2024 - Present

University of Canterbury
Bachelor of Engineering with Honours

- **Major:** Mechanical Engineering
- **Minor:** Aerospace Engineering

Christchurch, New Zealand
Completed: Nov 2023

EXPERIENCE

Rocersa Ltd
Digital Operations Manager

Christchurch, New Zealand
Nov 2023 – Present

- Migrated the Access database to Postgres (Supabase) to enable cloud functionality
- Developed custom customer relationship manager to track orders and stock
- Developed dynamic web applications to provide live pricing
- Planned and executed advertising campaigns using Google Ads and Pinterest

Aurecon
Summer Intern, Building Services Department

Christchurch, New Zealand
Nov 2022 – Feb 2023

- 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

A W Fraser
Summer Intern, Extrusion Department

Christchurch, New Zealand
Nov 2021 – Feb 2022

- Performed practical engineering work involving the processing of extruded brass bar for dispatch
- Learned how to operate machinery safely and efficiently

PROJECTS

UCHPV Human Powered Land Speed Record Attempt Team

- Leading the aerodynamics team within the record attempt team
- Designing and optimizing a fairing to minimize drag coefficient
- Conducting wind tunnel testing to validate simulation results
- Constructing the fairing using composite manufacturing methods

Level 1 Rocketry Certification

- In a team of 4, designed and built a rocket that reached an altitude of approximately 300 m
- Developed understanding of engineering process from inception to delivery

SKILLS, ACTIVITIES & INTERESTS

Languages: English (Native), Spanish (Conversational)

Technical Skills: MATLAB, Python, ANSYS, SolidWorks

Certifications: NZ Class 1 Driver's License