Paris Molver

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SUMMARY

I have been working in a company of less than 10 people in the Agri-Tech space for the past 3 years, starting with Firmware and Hardware development during my internship. Moving into full time my work expanded to include, testing, manufacturing, enclosure design, PCBs, installs and service work.

Additionally, in my spare time I have been working on a miniature smart irrigation system project that showcases my non-professional experience with web app development, and embedded product design.

EXPERIENCE

Junior Engineer
Nov 2022 → June 2025

OnFarm Data | *Middleton, Christchurch*

- Embedded C and FreeRTOS programming for STM32
- PCB designs and software implementation of break out boards that extended the functionality of the mainboard.
- Tested and manufactured products requiring potting and trimming.
- Steel enclosure, gear tray, and folded bracket design using Solidworks.

Internship
Nov 2021 → Jan 2022

Energyline | *Woolston, Christchurch*

- Performed environmental study report creating a matrix of CO^2 equivalent figures to cover all combinations of profile size and length.
- Worked on assembly of custom ordered commercial extrusion lighting.

Electrical Apprenticeship
2014 → 2016

Dynalec | Brisbane, Australia

- Solar installations requiring rail and panel installation, running conduit and cables, and switch box terminations.

EDUCATION

University of Canterbury
Graduated March 2024

- Bachelor of Electrical and Electronics Engineering with honors.
- Focus on hardware and software with complimenting communications and DSP courses

SKILLS

Python -
Automations, SSH, Computer Vision, google sheets

Linux, Raspbian -
Bash scripts, Pi hardware implementations

Manufacturing -
Documentation and Improving production procedure, 3D printed tool design, Assembly and test jig experience. Solidworks / Fusion360.

Embedded -
FreeRTOS in STM and ESP platforms. PCB designs and daughter boards. Software implementations across multiple platforms.

References from OnFarm Data available on request