

Kira Pitman

Web Developer

NZ Citizen
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About Me

I am a full-stack software developer who recently completed Dev Academy Aotearoa living in Pōneke | Wellington. I bring with me 8 years of problem solving skills honed during both my study and professional contributions in experimental physics. Through my career pivot into tech, I have found that what sets me apart is my approach to challenges through analytical thinking and team planning. I thrive in environments that are inclusive, supportive, and allow for constructive collaboration. I hope my new career allows me to continue learning, and to contribute to meaningful and accessible technologies.

EXPERIENCE

Dev Academy Aotearoa - *Student - Full-Stack Development*

June 2023 - October 2023

- A 15-week full immersion software development bootcamp at a total of 800 hours, working on multiple projects in a team environment with daily challenges and weekly 24 hour group projects
- Learned a modern web dev stack including **HTML5**, **CSS**, **JavaScript**, **React**, **Knex**, **SQLite3**, **Node.js**, and **Express.js**, while having a strong emphasis on human skills as well as teamwork using agile methodologies.
- My team's final project, Tiff's Donuts, involved learning **React Three Fiber** to render and animate 3D donuts, not taught within the scope of the bootcamp. I was the agile facilitator for the project and facilitated stand up, managed sprints, and prioritized tasks to successfully deploy our project ahead of schedule.

Lab Demonstrator - *Victoria University of Wellington*

March 2023 - June 2023

- Primary lab demonstrator for 100-level engineering and physics course at VUW
- Collaborated with academics coordinating the lab course to deliver laboratory sessions for 40 students and independently marked lab reports and weekly assignments.
- Lead full classes and worked one-on-one with students as requested to support their learning.

Junior Scientist - *OpenStar Technologies*

July 2022 - January 2023

- Simulation and early development of flux pump power systems to be used in conjunction with a permanent levitated dipole fusion system.

- Primary focus on the assembly, testing, iteration, and analysis of this high-temperature superconducting technology.
- Developed my technical skills of computational simulation of power systems in Matlab, control systems engineering, and the facilitation of design processes.

Lab Technician - *Paihau | Robinson Research Institute*

Dec 2020 - March 2022

- Lab technician in the head-MRI project at Paihau | Robinson Research Institute, primarily on production of the 2nd generation HTS coils used for the MRI machine.
- Worked in a small team of engineers and technicians to meet fast deadlines and work at a high level under pressure.
- Exhibited strong attention to detail during the preparation, handling, and organization of 15km of fragile superconducting wire.
- Created and managed the coil winding schedule which allocated roles for before, during, and after winding to streamline the production process, and directed the winding process on production days.

Research Assistant - *Paihau | Robinson Research Institute*

August 2020 - December 2020

- Set up a laser pressure measurement system and sputtering system for research at a microscopic level.
- Formulated experimental procedures with necessary health and safety requirements.

High School Tutor - *Inspiration Education*

July 2015 - December 2020

- Communicated scientific information for physics, chemistry, and mathematics in a non-academic format to a range of recipients.
- Collaborated with students to identify areas of growth, and strategically plan to meet their long-term intrinsically motivated goals.
- Planned lessons for allotted time to build skills and rapport to allow for both academic and personal growth in students.

EDUCATION

Web Development Training Scheme, Level 6 Certificate - *Dev Academy Aotearoa*

June 2023 - October 2023

Master of Science - *Victoria University of Wellington*

March 2019 - May 2020

Bachelor of Science (First Class Hons.) - *Victoria University of Wellington*

March 2015 - December 2018

References Available on request