LEWIS STEENTJES

Full Stack Developer
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About

Full-Stack Developer with a background in electrical engineering, passionate about creating impactful software. Eager to break into a software development career, I'm seeking a role in a fast-paced environment where I can rapidly develop my skills.

Skills

Languages: JavaScript, TypeScript, Python, C, VHDL

Frameworks: NextJS, React, Express.js, Astro, Hugo, TailwindCSS

Tools: Git, VSCode, Vim, FTP, Zsh, Supabase, Vercel, DNS, Linux, MacOS, Windows

Soft Skills: Problem-Solving, Critical Thinking, Peer Programming, Collaboration

Education

2024	Dev Academy Aotearoa	NZQA Level 6 Certificate in Applied Software Development
2017	University of Canterbury	B.Eng. Hons Electrical Engineering

Projects

TradeMe Property Map

Based on my own past experiences at searching for rental properties online, I want to improve the user experience for people searching through property listings online. I am currently developing a website that utilises TradeMe API endpoints to show available listings in a digestible way.

https://trademe-housing.vercel.app/ | https://github.com/lewis-steentjes/housing-map

Dev Academy

In the final week of our bootcamp, we had 7 days to work together in groups and build a web app of our choosing. Our group decided to build a platform for developers to practice good coding principles. Users can submit code in need of refactoring/reformatting, submit alternative ways to refactor people's code and comment on individual coding problems. I focused mainly on user handling and webpage design, gaining useful team management skills in the process.

https://re-solve.pushed.nz/ | Bootcamp Group Project

At the start of our Dev Academy journey, we had the opportunity to build a website using raw HTML/CSS/JavaScript without the aid of any development frameworks. As we completed various learning activities, we wrote about them as blog entries. This project taught me the fundamentals of front end web development such as flexboxes, grids, divs, input fields and more.

https://lewis-steentjes.github.io/ | Foundations Blog

Personal Blog

I rebuilt my personal site using Astro as a framework because of its high amount of flexibility. I had a ton of fun styling and coding the page, learning about technologies such as MDX in the process. It's currently hosted on Vercel, using NameCheap as the domain name provider.

https://www.lewissteentjes.com/ | Personal Blog

Experiences

Jan 2024 – Apr 2024
Full-Stack Bootcamp at Dev Academy Aotearoa

● Completed an intensive 800 hour, 17 week full stack web development bootcamp
● Used foundational teamwork skills to successfully create multiple projects
● Learnt about back-end, front-end, and middleware technologies
● Deepened my passion for web development
● Made some great friends

Dec 2022 – Dec 2023
Height Safety Specialist at Goleman Group

● Troubleshooted and resolved on-site challenges, adapting plans based on discrepancies between as-built structures and initial assessments.
● Followed health and safety procedures in dangerous, high pressure environments to protect myself, my team and the public
● Installed and inspected complex height safety systems, adhering to strict standards (AS/NZS 1891.4 & AS/NZS 4488) for quality and safety.
● Collaborated with teams to complete large-scale projects, demonstrating effective communication and coordination.
● Developed expertise in utilizing specialized tools and equipment (grinders, drills, ropes, etc.), showcasing technical aptitude.

Mar 2022 – Dec 2022
High Voltage Instrumentation Calibrations Engineer at Tex At Site

● Optimized test procedures to improve task efficiency by up to 50%.
● Leveraged statistical analysis of accuracy ratios to determine optimal calibration frequencies and create novel test procedures.
● Maintained excellent health and safety procedures to protect myself and the public from High Voltage electricity
● Prioritized customer relationships, ensuring satisfaction and understanding of client needs.
● Collaborated internationally with engineering teams in Australia to maintain quality standards and provide remote training on pneumatic calibration testing.
● Modified Excel scripts to resolve errors and streamline pressure testing processes.

July 2021 – Nov 2021
Elective Study Semester of Statistics/Computer Science at University of Canterbury

● Learned about modern Bayesian statistics applications & data mining techniques for classification, regression, cluster analysis and association analysis.
● Learned about internet routing and networking technologies: TCP, UDP, IP, HTTP and used python's socket library to transfer files over the web.

Nov 2017 – July 2021
Surface Mount Technology Operation at Tait Communications

● Operated and managed complex SMT production equipment (chip shooters, ovens, etc.), ensuring precision in electronics manufacturing.
● Collaborated with teams to troubleshoot problems, optimize production processes, and ensure quality control standards.
● Managed inventory control systems, maintaining accurate stock counts and contributing to supply chain efficiency.
● Calibrated and tested production equipment, demonstrating technical proficiency and attention to detail.