Finbar Hinchcliffe

Software Engineer

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About

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Education

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Experience

Finbar Hinchcliffe

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Software engineer with a foundation in full-stack web development and a passion for clean, functional design. Strong communicator, quick learner, and a natural team player.

Bachelor of Engineering (Honours) / Macquarie University
Specialising in Software Engineering
JULY 2024 - PRESENT

Currently developing a comprehensive understanding of software engineering through subjects like Systems Programming, Object-Oriented Programming, and Engineering Design, with a strong focus on AGILE development, iterative problem solving, and real-world team-based projects.

Diploma of Information Technology / Macquarie University
AUGUST 2023 - MAY 2024

Built a solid foundation in logic, data analysis, and programming fundamentals through courses such as Discrete Mathematics and Cyber Security, with an emphasis on the mathematical principles that underpin effective software development.

Technical Co-Founcer / Modospace

modospace.online
JULY 2025 - PRESENT, SYDNEY

- Co-founded Modospace, winner of the 2025 UNSW Peter Farrell Cup.
- Leading technical design and development of an online custom furniture configurator that makes unusable spaces functional.
- Currently developing web architecture, parametric algorithms, CNC integration workflows, and customer data management systems.

Sales Representative / Victor Churchill
MARCH 2021 - PRESENT, WOOLLAHRA

- Delivered exceptional customer service in a high-end retail environment.
- Managed point-of-sale systems, product knowledge, stock ordering and opening/closing procedures.
- Trained new hires and handled daily cash takings.
- Developed strong interpersonal skills and the ability to communicate and operate clearly and calmly under pressure.

Sales Representative / Ex-Government Furniture

FEBRUARY 2020 - MARCH 2021, CANBERRA

- Handled customer enquiries and closed sales via in-person, phone, email, and social media.
- Managed supplier relationships, ordered product components and materials.
- Coordinated logistics and removals to ensure smooth product delivery.
- Gained experience in client negotiation, pricing, and discounting strategy.

Select Projects

Side Seam Sewing / Website Creation & Hosting

sideseam.com.au

APRIL 2024 - MAY 2024

- Built and deployed a custom website for promoting and managing sewing class bookings.
- Integrated Rezdy API for real-time service listings, payment processing, and scheduling.
- Deployed via Netlify, built from a version-controlled GitHub repository.

Tech Stack: HTML, CSS, JavaScript, Rezdy API, Git, Netlify.

McDade Painting / Website Creation & Hosting

mcdadepainting.com

AUGUST 2023 - SEPTEMBER 2023

- Developed a responsive website to showcase painting services, completed projects, testimonials, and contact info.
- Collaborated with client using Figma, translating designs into a responsive website.
- Deployed via Netlify from GitHub, ensuring mobile compatibility and modern performance standards.

Tech Stack: HTML, CSS, Figma, Git, Netlify

Skills

Attributes

- Clear, confident communicator (written + verbal).
- Strong collaboration skills — thrives in team environments.
- Creative problem solver with solid time management.
- Fast learner with a proactive mindset.

Proficient In:

- JavaScript
- HTML / CSS
- Git & GitHub workflows
- REST APIs / JSON handling
- Netlify deployment
- Node.js basics
- Figma

Familiar With:

- Python
- Java
- SQL
- C#, C++
- Jira / Agile workflows
- Curl / CLI tools

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Interests

Creative projects

Regularly explore programming concepts through self-initiated projects. These prototypes are often rapid, concept-driven builds that prioritise learning and technical discovery over polish or production-readiness.

Notable projects include:

- **L00T**: An AI-powered trading card generator that leverages large language models (LLMs) to create unique cards, displayed in 3D using Three.js.

- **AIrtist**: An experimental tool that represents images as text, utilizing LLMs to construct visuals, exploring the intersection of language and imagery.

- **Planets3JS**: A simulated solar system built with Three.js and Cannon-es, featuring gravitational interactions and user-controlled spaceship navigation.

- **Static3JS**: An immersive experience combining serene soundscapes with dynamic lighting, showcasing the HDRI/EXR rendering capabilities of Three.js.

- **WobbleBox**: A mobile-friendly physics simulation that responds to device movement, demonstrating real-time interaction with physics shapes.

These projects emphasize rapid prototyping and iterative learning, with demos and source code available at finis.cool and github.com/ffinbar.

Hobbies

I keep active with a mix of outdoor and physical pursuits that help balance out time spent behind the screen. I'm a regular cyclist, riding both for fitness and as a way to explore new areas around Sydney. I visit the gym a few times a week to stay sharp physically and mentally. I also enjoy getting out on the water when I can — whether it's sailing with friends or body surfing at local beaches. These hobbies give me space to reset, reflect, and stay energised.