

JENUL FERDINAND

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EXPERIENCE

Projects Lead at WIRED

April 2024 – Present

Faculty of Information Technology Society

Clayton, VIC

- Lead the development of projects and coordinate team collaboration.
- Mentor and guide members in project development, creating a collaborative learning environment.
- Collaborate with team members to brainstorm, plan, and execute innovative projects.
- Oversee project timelines, ensuring timely and quality delivery.

Programming Tutor

October 2024 – Present

Digimaker - Programming for Young Makers

Eastern Suburbs, VIC

- Teach programming (Java, Python, C, SmallBasic) to primary school students.
- Deliver pre-designed lessons and assist students in problem-solving activities.
- Enhance problem-solving skills and logical thinking in students.

Monash Innovation Guarantee

January 2025

UNICEF/Hashcode

Docklands, VIC

- Designed a new technical architecture for UNICEF's SaaS platform. [See proposal here.](#)

Computer Science YouTube Channel

July 2023 – Present

@ferdinandcoding

Online

- Produced educational videos on algorithms, data structures, and theoretical CS.
- Grew channel to over **400 subscribers** and accumulated **100K+ views**.
- Simplified complex CS topics for a broad audience.

EDUCATION

Monash University

Clayton, VIC

Bachelor of Computer Science (Advanced)

In Progress

PROJECTS

Solv | *JavaScript, Java, HTML, CSS & SASS, Git*

[GitHub](#)

- An interactive web-based math game for young adolescents.

MonSTAR | *MongoDB, Express, Angular, Node.js, Caddy, Docker, EC2, Cloudinary CDN*

[Link](#)

- Led development of a full-stack MEAN web application with cloud deployment.
- Integrated database optimisations and AWS services for scalability.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS/SCSS, Golang, SQL, JSX.

Technologies: React, React Native, Next.js, Angular, Node.js, Docker, MongoDB, PostgreSQL, Flask, Express

Tools: Git, NPM, Yarn, Powershell, Linux, VS Code, RegEx, Leetcode, Firebase, GCP, AWS, Oracle SQL Developer, Jira.

Libraries: pandas, numpy, matplotlib, manim, ngx-graph, RxJS, Socket.IO, JUnit, Jasmine.

UI Libraries: Bootstrap, Material-UI, PrimeNG, ChakraUI, NextUI, Ant Design, Tailwind CSS, Shadcn UI

Concepts: Algorithms, Data Structures, Theoretical CS, Full-Stack Development, CI/CD, DevOps, Database Management.