

# Jenul Ferdinand

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## EDUCATION

### Monash University

*Bachelor of Computer Science (Advanced)*

Clayton, VIC

*In Progress*

## 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

Oct 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*

- Collaborated on designing a technical framework for UNICEF's SaaS platform.

### 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.

## PROJECTS

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

GitHub

- Developed an interactive web-based math game using JavaScript and HTML/CSS.

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

In Progress

- 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

**Technologies:** React, Angular, Node.js, Docker

**Tools:** Git, Powershell, Linux, VS Code, RegEx, Leetcode, Firebase, Google GCP, Oracle SQL Developer

**Libraries:** pandas, numpy, matplotlib, manim, express, Socket.io, mongodb, Flask, JUnit, Material-UI, PrimeNG, ChakraUI

**Concepts:** Algorithms, Data Structures, Full-Stack Development, Database Management.