JULIEN FERNANDES

6 months

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Final year engineering internship

SUMMARY

Final-year Creative Technology Engineering student combining software engineering, AI and embedded systems. Experienced in building full-stack applications, AI-powered tools and hardware prototypes, from concept to deployment. Seeking a 6-month internship starting in february.

WORK EXPERIENCE

Rewake - Software Engineer Intern April 2026 - Aug 2026

- Developed internal and client-facing web applications to streamline operational workflows.
- Designed PostgreSQL data flows and built internal tools and API integrations using React/Next.js, Python and n8n.

Freelance - Software Engineer May 2023 - Present

- Designed and delivered web applications from conception through deployment and maintenance; continued work for Rewake. Selected clients: Arno Cauchois Photography, Hotel West End.

Paris Fire Brigade (BSPP) - Paramedics June 2024 - Present
Bistronomic restaurants - Waiter June - Aug 2025
Paris 2024 Olympic Games - Various Jobs July - Aug 2024
Phoenix Park Bikes - Dublin, Ireland July - Aug 2023 and Feb - June 2025

PROJECTS & SKILLS

Quinvo - SaaS invoicing platform *Next.js, TypeScript, Supabase, PostgreSQL*

- Full-stack invoicing platform for French micro-entrepreneurs.

Kaumite - AI-powered git cli *Swift, AI, Apple Foundation models*

- macOS CLI that generates Git commit messages locally using on-device language models.

Between Threads - Robotics & Computer Vision *Python, CV, RaspberryPi, Electronics*

- Computer Vision controlled puppet with AR interface to remove constraints from storytelling.

Programming : Python, TypeScript, C++, Rust, SQL, OCaml
AI and Data : PyTorch, TinyGrad, RAG, Neural Networks, NumPy, Pandas
Software development : React, Next.js, APIs, PostgreSQL, Docker, Git, UNIX
Embedded & Hardware : Arduino, microcontrollers, KiCad, Fusion 360, SolidWorks, 3D printing.

EDUCATION

Dorset College, Dublin, Ireland Feb 2025 - June 2025

- Semester abroad in Engineering

ESILV - Engineering School, Paris Sep 2024 - July 2027

- Creative Technology Engineering Program (Master's degree track)

Preparatoty class - Fénelon Sainte-Marie, Paris Sep 2022 - July 2024

- MP2I - MPI (Maths, Physics, Computer Science)

ADDITIONAL INFORMATION

- Certifications: Advanced First Aid (PSE2), Fire Safety (SSIAP1)
- Activities: Def'Innov Defense Hackathon and Raoul Follereau Foundation
- Sports: Marathon, IronMan 70.3, American football, Football