

# Quentin Hauuy

Software Engineer Intern

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I'm a **software engineering student** at **42 Mulhouse** with solid foundations in **Unix environments** and **C/C++ programming**. I'm currently looking for a **3–6 month internship** in **web development**. As a 42 student, I'm used to adapting quickly and **collaborating in teams** to deliver projects. I'm rigorous, eager to learn, and **available immediately**. I'm also open to remote work.

## Skills

- **Programming Languages:** C/C++, Zsh, Python, Java, OCaml, JavaScript/TypeScript
- **Web:** HTML/CSS/JavaScript, React, NestJS, Tailwind
- **Tools:** Git, Docker, Linux, macOS, VS Code
- Effective use of **AI** for debugging, research, and ideation (with critical judgment)

## Selected 42 Projects

- **ft\_transcendence** (team of 5) — full-stack web app built with React, Next.js, NestJS, MariaDB, Docker, Traefik and WebSockets
- **minishell** / **pipex** / **philosophers** — low-level systems programming: memory management, POSIX processes, pipes, redirections, signals, multithreading
- **push\_swap** / **PmergeMe** — algorithmic problem-solving, complexity analysis, optimization
- **fract-ol** / **cub3d** — computer graphics, raycasting
- **C++ modules** — OOP practice in C++98: canonical form, inheritance, polymorphism, templates, STL

## Education

2023 – Present	<b>42 School</b> Mulhouse
2020 – 2023	<b>Bachelor's degree in Computer Science (incomplete)</b> Université Côte d'Azur
2017	<b>Scientific Baccalaureate (Mathematics)</b> Lycée Bellevue (Martinique)

### Soft Skills

- Perseverance
- Autonomy
- Clear communication

### Languages

- French: native
- English: advanced (B2/C1)
- Italian / Portuguese: basic

### Interests

- Figure skating
- Piano, guitar
- Memory techniques