





Yann FERNANDEZ PUIG

STUDENT IN ENGINEERING DEGREE IN
COMPUTER SCIENCE (EPITA, FRANCE)

CONTACT

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Location:
Toulouse, France

SOFT SKILLS

- Multicultural environment
- Rigorous
- Organized
- Team work

TECHNICAL SKILLS

- C / C# / C++
- Java
- Python
- HTML / CSS
- JavaScript
- Unix/Linux
- SQL
- OCaml
- Git
- Autotools
- Swift
- Use of Office suite




LANGUAGES

- English (Bilingual)
- Spanish (Mother tongue)
- Catalan (Mother tongue)
- French (Native tongue)
- German (Academic level)

Seeking an AI/Full-Stack Internship at Bloom to help shaping the future of mobile app creation. Experienced in building production-ready projects—from a POSIX-compliant shell to an AI-powered Optical Character Recognition (OCR) system—using Swift, Python and C. Passionate about rapid prototyping, AI tooling and creating intuitive developer experiences, I love building applications, experimenting with new technologies and turning ideas into tangible, usable software.







EDUCATION

-  **EPITA (School of Computer Science and Advanced Technologies) - France** **SINCE 2023**
Five-year engineering degree.
Acquired advanced technical proficiency through an intensive, project-driven engineering curriculum.
-  **Murdoch University - Australia** **FEB 2025 - AUG 2025**
Achieved professional English fluency and cross-cultural adaptability through a semester of study in a global environment.
-  **High School Le Ferradou Toulouse - France** **2016 - 2023**
French Baccalaureate (Scientific Track) - Graduated with High Honors









PROFESSIONAL EXPERIENCE

-  **Teaching Assistant for C Programming and Development** **SINCE 2025**
Supervised first-year students in lab sessions, providing guidance, answering questions, and supporting learning while developing communication and teaching skills.
-  **Student Ambassador at EPITA** **SINCE 2024**
Representing the school during trade fairs, forums, and open days. Managed and coordinated student teams during events.
-  **Personal Tutor** **SINCE 2022**
Providing tailored tutoring for middle and high school students (grades 6-12). Identifying student's challenges and strengthening their understanding.
-  **Food Truck Manager** **JUL 2024 - AUG 2024**
Daily management of a food truck within the "RCN Le Moulin de la Pique" campsite. Additional roles: waiter, washer, cook and customer service in a multicultural environment.



PROJECTS

-  **POSIX Compliant Shell** **JAN 2026**
Collaborative project in a team of four to develop a POSIX-compliant shell from scratch in C. Managed the project using Autotools and implemented a comprehensive functional testsuite.
-  **Custom Memory Allocator (malloc)** **NOV 2025**
Engineered a custom memory allocator in C language using a bit bucket implementation to manage heap memory
-  **Currency Return Optimizer** **MAY 2025**
Developed a C-based algorithm to calculate and dispense optimal coin combinations. Focused on memory efficiency, real-time inventory tracking, and transaction accuracy.
-  **OCR Puzzle Solver** **2024**
OCR Puzzle Solver: Developed an Optical Character Recognition (OCR) system using a Neural Network in C language to accurately solve Word Search puzzles from image input, demonstrating skills in Machine Learning and Image Processing.
-  **Creativity Award at NSI 2022 Trophy (National French Award)** **2022**
Awarded the Regional Prize for Creativity for a data visualization application, developed in Python and SQL to process and track animal movements using CNES (French National Space Agency) satellite data.
-  **Calculator in Swift** **2020**
Developed a basic calculator application in Swift, learning the language auto didactically and exploring core IOS UI concepts.