LUCAS BERNARDEAU

4th Year Engineering Student - Looking for Internship (4-5 months) - Sept. 2026

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in lucas-bernardeau ○ lucasbnrd05

EXPERIENCE

Teaching Assistant (ACDC)
EPITA - Teaching Assistant Association

📅 Since September 2025 ● Paris

- Mentoring 1st-year students (C and Python projects).
- Pedagogy, code review, and advanced debugging.

Rugby Coach / Educator
EGG XV

📅 2021 – 2025 ● Goussainville

- Managing a youth group, planning training sessions.
- Developing leadership and responsibility skills.

SIGNIFICANT PROJECTS

Automatic Driving Distraction Detection
Embedded Systems & C

📅 2025

- Design of an embedded system analyzing driver attention via sensors.
- Real-time processing and triggering of safety alerts.

42sh (POSIX Shell)
C, Unix, System Architecture

📅 2026

- Complete re-implementation of a Bash-like Shell from scratch.
- Management of processes, signals, pipes, and parsing (AST).

Atelibox
Fullstack Web (SaaS)

📅 2025

- Functional SaaS app solving real-world logistics problems.
- Full management: Front, Back, DB, and Deployment.

OCR Word Search Solver
C, Neural Networks

📅 2024

- Creation of an Optical Character Recognition (OCR) engine.
- Implementation of neural networks and image processing.

SKILLS

System, Network Low Level

C / C++ | ASM 68k | Unix / Linux
Shell Scripting | Git | GNS3

Application Development

Java | C# (.NET) | Python | SQL

Web Mobile

HTML/CSS | JavaScript | Flutter | Kotlin
Deployment (OVH/DNS)

Soft Skills

Leadership | Teamwork | Mentoring | Rigor
Adaptability | Autonomy

EDUCATION

M.Sc. in Computer Science Engineering
EPITA

📅 Class of 2028 ● Paris

- **ACDC** (Teaching Assistant)
- **Staff Com'** (School Ambassador)
- Intensive Bootcamps: C, C++, Java, SQL.

International Semester
Universidad Politécnica de Madrid

📅 Jan. 2025 – June 2025 ● Madrid

- Master's courses: Mobile App Development, Embedded Systems.

IT Department Intern
EDF Nuclear

📅 2020 ● Saint-Denis

- Discovery of critical industrial infrastructures.

LANGUAGES

French (Native)
English (B2 - Technical)
Spanish (C2 - Fluent)
Russian (A1 - Basic)

INTERESTS

Combat Sports

- **Junior French Champion** (Kickboxing/K1, 2023)
- Winner of the Junior French Cup (2023)