

# LUCAS BERNARDEAU

4th Year Engineering Student - Looking for Internship (4-5 months) - Sept. 2025

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in lucas-bernardeau 🔄 lucasbnrd05

## EXPERIENCE

### Teaching Assistant (ACDC)

EPITA - Teaching Assistant Association

📅 Since September 2024 📍 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)