

LUCAS BERNARDEAU

3rd Year Engineering Student - Looking for Internship (4-5 months) - Sept. 2026

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 Paris, France (Mobile)

 www.lucasbernardeau.fr

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.

PROJECTS

Automatic Driving Distraction Detection

Embedded Systems & C  [View Project](#)

 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  [View Project](#)

 2026

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

Atelibox

Fullstack Web (SaaS)  [View Project](#)

 2025

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

OCR & Word Search Solver

C, Neural Networks  [View Project](#)

 2024

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

SKILLS

System, Network Low Level

C / C++Assembler (x86/68k)Unix / Linux

Shell ScriptingGitGNS3

Application Development

JavaC# (.NET)PythonSQL

Web Mobile

HTML/CSSJavaScriptFlutterKotlin

SysML / UMLLaTeXDeployment (OVH/DNS)

Soft Skills

LeadershipTeamworkMentoringRigor

AdaptabilityAutonomy

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 (Native)
Russian (A1 - Basic)



INTERESTS

Combat Sports

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