

Lucas Duport

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📅 Internship in February 2026 (6 months) | 🌍 Worldwide

🔧 PROJECTS

WhatsUpDoc

👥 6

Python, FastAPI, React

- **Finalist in Google Hackathon** “Solve for Healthcare & Life Sciences with Gemma” as part of a student team.
- Developed a conversational AI avatar assistant to guide patients through pre-diagnosis prior to medical appointments.
- Fine-tuned MedGemma-4B on a cardiology dataset, achieving a **2x improvement** in diagnostic task performance.

IoT Health Monitoring Platform

👥 4

Scala, Kafka, Spark, Grafana, Docker

- Developed a distributed pipeline simulating a smart ring to **stream sensor data** and manage messaging with Kafka.
- Implemented data analysis in a S3 storage using Apache Spark for ingested signals.
- Built an alert microservice to analyze data continuously and **trigger notifications** for alerts.

👛 EXPERIENCE

Teaching Assistant

Ref: Valentin SEUX, Associate Director – valentin.seux@epita.fr

Paris, France

EPITA

2023 – Present

- Part of a team of 60 students that support 800+ third-year students in coding activities alongside my studies.
- Assisted students with **debugging and answered technical questions** across various programming languages.
- Designed practicals and deployed automatic grading systems for first-year students.
- Attended workshops regarding pedagogic approach, posture, motivation, voice, and body language.
- Crash-tested multiple projects and test suites and gave constructive feedback.

AI/ML Intern

Ref: Philippe VIALLETELLE, Data Science – philippe.vialletelle@st.com

Grenoble, France

STMicroelectronics

Sept 2024 – Jan 2025

- Developed a **data augmentation** pipeline using RAG for technical text summarization.
- Built a full-stack platform using FastAPI for AI-generated data validation and annotation.
- Designed and improved a **root cause suggestion system** based on reported symptoms in collaboration with end-users.

Software Engineering Intern

Chindrieux, France

Kerquest SAS

July 2023 – Aug 2023

- Developed a prototype computer vision system to **detect object types on a grid** in a production line, improving automation readiness.
- Created an interface to assist with real-time detection of products on a tray.
- Automated server installation using Debian Preseed, Ansible, and Bash scripts.

🎓 EDUCATION

EPITA - Master's Degree in Computer Engineering

Paris, France

Major: Artificial Intelligence & Computer Vision — GPA: 3.7 — Member of student association

2021 – 2026

San Francisco State University - Computer Science

San Francisco, USA

Exchange Semester — GPA: 3.9 — EPITA Student Ambassador

2023

✂ SKILLS & INTERESTS

Technical Skills: Python, C, C++, C#, Java, SQL, JavaScript, Bash, Scala.

Tools: Git/GitHub/GitLab, Nix, Docker, Linux.

Languages: French (native), English (C1) **970/990 TOEIC**, Italian (B2).

Interests: Homelab, skiing, watchmaking, poker, travel.