

# Florian Segard-Gahery

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Dedicated AI & Data Science Master's student seeking a six-month internship starting 02/2025

## SPECIAL PROJECTS

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**Data Engineering:** Developed scalable data pipelines using Kafka, Spark, Scala, and Minio, with a focus on building robust and efficient architecture.

**Convolutional Neural Networks (CNN) Competition:** Achieved 1st and 4th places out of 100 participants by utilizing Pytorch and TensorFlow, demonstrating advanced skills in deep learning

**Big Data Optimization:** Enhanced data processing workflows using Pandas, PostgreSQL, and Docker, significantly reducing data handling times.

**Hackathon - Albertschool IA vs AI:** Collaborated with the French Army in an NLP challenge to distinguish AI-generated texts, employing Pandas and Scikit-Learn.

**Microsoft Azure Solutions:** Designed and implemented solutions on Microsoft Azure for breast cancer detection using machine learning and computer vision techniques.

## EXPERIENCE

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### Software Engineer - A26 ARCHITECTURE COMPANY

September 2023 – January 2024

*A26 Architecture is a leading architecture firm dedicated to pushing the boundaries of modern architecture, integrating cutting-edge technology and collaborative approaches to deliver projects that enhance urban landscapes and improve the quality of life for communities.*

- Developed C# applications to optimize architects' workflows, significantly reducing task durations and increasing productivity by an average of 15%.
- Structured and optimized the company's SQL database architecture, including performing SQL queries to generate actionable insights. This allowed company to maintain a clearer database and easily identify late payments, and pinpoint slow-paying clients.

### Mathematics Tutor - SORBONNE UNIVERSITÉ

September 2020 – June 2022

Sorbonne Université is globally ranked in the top 4 for mathematics and is one of the leading universities in France.

- Taught Bachelor's degree students (second-year) complex mathematical concepts such as Lebesgue integrals and Topology.
- Fostered a love for teaching and communication, reinforcing my passion for education and mentorship.

## EDUCATION

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### Master of Engineering – Ai and Big Data

EPITA, France 2025

### Bachelor of Mathematics

SORBONNE UNIVERSITÉ, France - 2022

## TECHNICAL SKILLS

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**Programming Languages:** Python, Scala, C, C++, C#, Java, SQL, JavaScript, HTML, CSS

**AI Libraries in Python:** Pytorch, TensorFlow, Scikit-learn (Numpy and Pandas)

**Horizontal Scaling:** Expertise in Kafka and Spark for scalable data processing

**Cloud Platforms:** Proficient in Microsoft Azure, including AI and data science applications

**General Programming Tools:** GitHub, Kaggle, Docker, BASH scripting

**Languages:** French (Native), English (Fluent)