Fatalmoudou KONE

Looking for a 6-month internship in Data Science / AI / Big Data, starting March 2026, open to Luxembourg, Belgium and Switzerland

- ✉ fatalmoudoukone@gmail.com
- 📞 +33 7 84 99 25 79
- 🔗 fatalmoudou-koné
- 🐙 github.com

Technical Skills

- **Big Data:** Kafka, Spark, Pandas
- **Visualization:** Seaborn, Matplotlib
- **Languages:** Python, Java, C, SQL
- **Tools:** Linux, VSCode, Git, LaTeX, Docker
- **ML & AI:** scikit-learn, PyTorch, Hugging Face Transformers, NLP, ETL

Certifications & Soft Skills

- **IBM – Data Engineering (ongoing)**: Data analysis, Rigor, Problem-solving
- **Microsoft – AI & ML Engineering (ongoing)**: Self-learning, Analytical thinking
- **Cisco Network Academy – Intro to Data Science**: Scientific curiosity, Information synthesis
- **Project Management MOOC**: Organization, Time management
- **Pix – Digital Risk Prevention**: Critical thinking, Digital vigilance
- **Red Cross – First Aid**: Composure under pressure, Initiative
- **INRS MOOC – Health & Safety**: Attention to detail, Responsibility

Languages

- French (Native)
- English (TOEIC 810 – B2+)
- Mandarin (Elementary)
- Bambara (Native)

Interests

- Cooking
- Puzzles and logic games
- Anime and manga

Education

TELECOM Nancy (2023–2026)
Master's Degree in Computer Science
Specialization: AI & Big Data
Courses: Machine Learning, Deep Learning, Big Data Technologies, Data Visualization

University of Lorraine – Nancy (2025–2026)
Master's in Mathematics and Applications
Specialization: Mathematical Engineering for Data Science
Courses: Statistical Learning, Optimization, Stochastic Processes, Financial Mathematics.

Paris 8 University (2025–2026)
Bachelor's in Computer Science, Minor: Psychology
Courses: Data Mining, Interpretation and Compilation, Verbal Data Analysis

University of Grenoble Alpes – UGA (2021–2023)
Bachelor's in Mathematics & Computer Science – 1st–2nd year
Courses: Functional and Imperative Programming, Numerical Analysis, Linear Algebra

Professional Experience

AREAL – RAG Optimization (Sept 2025–present)
Optimizing a RAG-based chatbot for knowledge access, improving retriever/generator efficiency.

INRIA – Nancy (Jun–Aug 2025)
Processed and structured a **10TB robotics dataset**; developed facial recognition & anonymization tools.

CRAN – University of Lorraine (Feb–May 2025)
Enhanced a 6-minute walking test using Madgwick filter: **+20% accuracy in patient trajectory**.

Télécom Nancy Services – IT Systems Director (2023–2024)
Managed IT systems for **15 members** and updated website (content, logos, branding), improving readability and accessibility.

Additional Experience

KOSY Appart'Hôtel – Operations Intern (Jul 2024)
Customer relations, operational coordination; **improved customer satisfaction**.

Afev – Volunteer (2023–2024)
Tutored **a student**, improving average grades by **+2 points**.

University of Grenoble Alpes – Math Tutor (Sept–Dec 2022)
Led tutorials for **20 students**, with a final pass rate of **60%**.

Projects

- **Fraud Detection System:** Kafka + Spark pipeline .
- **Pacman AI Agent:** Decision-making with A*, Minimax, Expectimax
- **Visualization Dashboard:** Built interactive dashboards (Pandas, Matplotlib)
- **Biomedical Data Tool:** Explored disease-treatment relations with medical datasets
- **Mini-Python Compiler:** Implemented in Java