

Alaâ Chakori Semmane

AI & Optimization Engineering Student

🚗 Driving License •

📍 Paris, France

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🌐 /alaa-chakori-semmane

🌐 Portfolio

Digital Transformation & AI Internship | 675h (20-24 weeks) | Available from September 2025

Passionate about **Applied Artificial Intelligence** and **project management**, I am seeking an internship to combine my AI technical skills with digital transformation project management. Proven experience in team coordination and technical project leadership, with strong adaptability and a pronounced taste for teamwork.

EDUCATION

Master's 2 Computer Science - Artificial Intelligence

University of Quebec at Chicoutimi (UQAC), Canada • Specialization in optimization and advanced AI

School of Computer Engineering

Polytech Tours, France • International double degree, AI and optimization focus

2024 - Ongoing

2022 - Ongoing

PROFESSIONAL EXPERIENCE

Jun-Aug 2024

Research Internship - Urban Data Analysis

LIFAT Laboratory • Tours, France

Development of accessibility indicators for urban cycling networks. Adaptation of Kent & Karner (2018) methodology, creation of spatial analysis algorithms and processing of OpenStreetMap and INSEE data.

Technologies: 🗺 Java, 🐍 Python

🔗 LinkedIn Post

Apr-Jun 2022

Internship - Electronic Maintenance Technician

SNCF Voyageurs • Saint-Pierre-des-Corps

Maintenance of embedded systems for TER2N NG trains. Electronic diagnostics and application of industrial safety protocols.

🔗 Recommendation Letter

ARTIFICIAL INTELLIGENCE & OPTIMIZATION PROJECTS

⚽ Advanced Football xG Predictive System – AI for real-time tactical analysis via Computer Vision

⚡ RAG Energy Intelligence Solution – 48h Hackathon - Multi-source optimization system with generative AI

🔗 Stochastic Supply Chain Optimization – GPR meta-models and evolutionary algorithms for optimization under uncertainty

🖼 SnapSort - AI Image Classification – Deep learning for image classification with real-time synchronization

🗺 Optimized Urban Navigation – Multi-criteria algorithms for cycling routes (Paris, SF, Berlin)

👤 Tourist Route Optimization – Heuristics and meta-heuristics for complex route design

+15% accuracy

2nd/29 teams 🔗

3-city validation 🔗

Genetic algorithms 🔗

TECHNICAL SKILLS

Development: C++/C, Java, Kotlin, React, Python, SQL

Optimization: Genetic algorithms, Meta-models, Heuristics

📄 Please visit my [portfolio](#) for more details about my skills and projects.

🗣 Languages

Spanish: Native

French: C2

English: B2

Arabic: A2

🏆 Achievements

2nd AI Hackathon

Dual Degree

6+ ML/CV projects

🤝 Involvement

Touraine Tech Volunteer

Climate Fresco Facilitator

❤ Interests

Football (UQAC)

Sports Analytics

Nutrition & Fitness