Alaâ Chakori Semmane
Computer Engineering Student - AI & Optimization

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🌐 **Portfolio**

Artificial Intelligence Internship | 675h (20-24 weeks) | Available from September 2025
Passionate about **Artificial Intelligence** and **optimization**, I am seeking an internship to deepen my skills in **applied AI**: machine learning, computer vision, predictive analysis, and data-driven solution development. Proven experience on concrete projects with strong adaptability and teamwork skills.

EDUCATION

Master's 2 Computer Science - Artificial Intelligence   2024 - 2025
University of Quebec at Chicoutimi (UQAC), Canada ● Specialization in optimization and advanced AI

Computer Engineering Degree   2022 - 2025
Polytech Tours, France ● International double degree, AI and optimization focus

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-Aug 2022

Electronic Maintenance Technician
SNCF Voyageurs ● *Saint-Pierre-des-Corps*

Maintenance of embedded systems for TER2N NG trains. Electronic diagnostics and implementation of industrial safety protocols.
🔗 Recommendation Letter

ARTIFICIAL INTELLIGENCE & OPTIMIZATION PROJECTS

⚽ **Advanced xG Football Prediction System** – AI for real-time tactical analysis via Computer Vision   **+15% accuracy**

⚡ **RAG Energy Intelligence Solution** – 48h Hackathon - Multi-source optimization system with generative AI   **2nd/29 teams** ↗

♟ **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)   **3 cities validated** ↗

🗺 **Tourist Route Optimization** – Heuristics and meta-heuristics for complex itinerary design   **Genetic algorithms** ↗

TECHNICAL SKILLS

Development: C++/C, Java, Kotlin, React, Python, SQL   **Optimization:** Genetic algorithms, Meta-models, Heuristics

ⓘ *Please check my portfolio for more details about my skills and projects.*

🔤 Languages	🏆 Achievements	🔄 Involvement	♥ Interests
Spanish: Native	2nd AI Hackathon	Touraine Tech Volunteer	Football (UQAC)
French: C2	Double degree	Climate Fresco Facilitator	Sports analytics
English: B2	6+ ML/CV projects		Nutrition & Fitness
Arabic: A2			