

MAXIME WOLF

Cambridge, MA

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Candidate for Master of Business Analytics, Operations Research Center, August 2024 (GPA: 5.0/5.0)

2023 - Present

- Coursework: Machine Learning, Optimization Methods, Analytics Edge, Analytics Lab, Analytics to Action
- ML project: Enhanced diabetes treatment decisions with optimal policy trees for healthcare professionals (Julia)
- Analytics project: Predicted song popularity with a stacking approach; used XGBoost, SVM, and linear models (Python)
- Google x MIT Sloan Product Hackathon: built GenAI-powered marketing tool for SMBs; ranked 2nd/30 teams (\$3000 prize)
- Activities: Technology Club, AI/ML Club, Consulting Club
- Harvard University: Cross-registered for the “Unleashing Novel Data at Scale” course

CENTRALESUPELEC, PARIS SACLAY UNIVERSITY

Gif-sur-Yvette, France

BSc in Engineering, MEng in Applied Mathematics (GPA: 4.2/4.3; top 5% of the class)

2020 - 2023

- Coursework: Deep Learning, Advanced Statistics, Advanced Probability, Algorithmics, Statistics in Finance
- ML contest: Led team to 1st rank among 250, classified geographical areas, achieved 72% F1-score with XGBoost (Python)
- Research: Studied quantum machine learning methods to improve forecasting models deployed by EDF (electricity supplier)
- Activities: AI Club trainer and teacher, coached 20+ students in Computer Vision and NLP methods

TECHNICAL SKILLS

- Python (pandas, scikit-learn, TensorFlow, PyTorch, Transformers), SQL, R, Julia (JuMP, Gurobi), Git

EXPERIENCE

MIT SLOAN | COMCAST

Cambridge, MA | Philadelphia, PA

Data Scientist Intern, MIT Capstone Project (Python)

2024 - Present

- Analyzed call transcripts and metadata to design predictive features for customer intent modeling, aiming to reduce churn
- Utilized Llama for embedding extraction; designed a multimodal classification approach integrating textual and tabular data

MIT OPERATIONS RESEARCH CENTER

Cambridge, MA

Research Assistant to Professor Georgia Perakis (Python, Gurobi)

2023 - Present

- Collaborated with IBM Research on end-to-end learning methods for decision-making under endogenous uncertainty
- Integrated joint optimization methods for pricing, improving traditional multi-armed bandits' methods by over 10%

MIT SLOAN | CMA CGM

Cambridge, MA

Analytics Lab Team Member (Python)

Fall 2023

- Built an AI email assistant tool; utilized similarity detection models and LLMs (GPT-3.5) with Retrieval Augmented Generation (RAG); boosted 400+ customer agents' productivity by 38%; resulted in \$2.2M/year in productivity gains
- Created a Streamlit product prototype and presented to the Director of Data Strategy and Innovation; ranked 3rd/22 teams

THE APPLIED AI COMPANY (AAICO)

Dubai, UAE

Venture focused on automating human processes within healthcare, government, and insurance sectors

ML Engineer Intern | Part-time ML Engineer (Python, AWS)

2022 - 2023

- Leveraged Transformers (ClinicalBERT) and Graph Neural Network models to extract adverse effects of drugs from medical literature; saved 80% reviewing time to customers by streamlining the analysis process
- Conceptualized and developed multi-modal AI pipeline for a \$60M project; utilized Twitter API and graph-based models to identify bot behaviors on key topics with 70% accuracy; successfully deployed models in AWS production environment

PARIS DIGITAL LAB

Paris, France

Creativity lab where trainees work full-time and collaboratively with corporations to prototype new usages

Data Scientist Intern (Python, SQL)

Spring 2022

- Developed an iOS application for start-up OOrion to help visually impaired people detect objects; applied YOLOv5 model to achieve real-time and 90% accurate predictions; prototype now integrated into a product sold by start-up
- Analyzed customer insights from phone calls for an insurance company; performed Speech-to-Text and entity/relationship extraction with CamemBERT; reached 92% F1-score and communicated results to the AI department

ADDITIONAL INFORMATION

- Languages: French (native), German (intermediate)
- Interests: piano (twelve years in a music conservatory), badminton, traveling, casual technology blogger