Andrei BORNEA

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EDUCATION

INSEAD   **Fontainbleau, France**
Master in Management Class of 2026   **2024 - 2026**
- Graduation date: January 2026
- Available for full time employment in July 2025

Ecole Polytechnique   **Palaiseau, France**
BsC Mathematics & Computer Science   **2021 - 2024**
- Personal\Team Projects: Grey-Scale Image Colorization, WS-GAN for Image Synthesis, Chess AI, Graph Neural Networks for Enhanced Recommendation Systems, JPEG Image Compression, Time-Series Forecasting
- Extracurricular courses: Accelerating End-to-End Data Science Workflows (NVIDIA), Scaling Workloads Across Multiple GPUs with CUDA C++ (NVIDIA), Accelerating CUDA C++ Applications with Concurrent Streams (NVIDIA), Cyber Security Industry Training (Brainnest)
- Achieved C1 in TCF (Test de connaissance du francais)
- Designed C++ algorithms to address the NP-hard polygon packing problem in 2D, collaborating with researchers from "Laboratoire d'Informatique de l'Ecole Polytechnique

General Curriculum High School "Mihai Eminescu"   **Calarasi, Romania**
HS. - Mathematics & Computer Science   **2017 - 2021**
- Graduated with 9.97/10
- Received Bronze Medal at National Mathematical Olympiad 2019, Second place+ Silver Medal at International Mathematical Excellence Olympiad 2019 (IMEO) and Mention+Bronze Medal at Romanian Stars of Mathematics (seniors) 2019
- Prepared young talented students for Mathematical Olympiads-- high-level competition in mathematics

PROFESSIONAL EXPERIENCE

Huawei Technologies France R&D   **Boulogne-Billancourt, France**
Huawei is a global leader in telecommunications and technology, known for its telecommunications equipment, consumer electronics, and technology solutions.
Research Engineer   **March 2024 - Present**
- Integrated online search in RAG pipeline and analyzed performance improvement (10% improvement on 3GPP Standards Overview questions from TeleQnA)
- Researching ways to increase computational efficiency and diminish model costs using open-source Language Models (LLama-3 series or Mistral), with a focus on small or quantized versions of large models

Research and Development Intern   **February 2024 - March 2024**
- Constructed a pipeline improving Large Language Models performance (GPT-3.5) in Telecom questions by 14.45%
- Published a paper alongside NETOP team explains novel approach for increasing accuracy while reducing RAM usage by 50%

Fintica AI   **Tel Aviv, Israel**
Fintica AI is a fintech firm specializing in autonomous AI for the financial sector.
Data Science Researcher Intern   **June 2023 - August 2023**
- Developed Generative Adversarial Models for Time-Series forecasting. Main 2 models being Time-GAN and TTS-GAN

INRIA   **Palaiseau, France**
INRIA (Institut National de Recherche en Informatique et en Automatique) is renowned for pioneering research in computer science and applied mathematics, driving innovation in algorithms, software, and digital technologies.
Research Assistant Intern   **January 2023 - June 2023**
- Conducted research on entity-focused Open Information Extraction (OpenIE) using GPT-3, improving extraction accuracy by 15%
- Developed a neural network-based OpenIE system, boosting relation extraction accuracy by 25% with named entities
- Presented related works, methodology and experimental results in both oral presentation and a 22 pages written report

LEADERSHIP EXPERIENCE

IP Paris Racing Team   **Palaiseau, France**
Student association comprising 80+ students aiming to build an electric race car by 2024 for participating in the Formula Student challenge
Chief Financial Officer   **October 2022 - March 2024**
- Lead association's financial plans and collaborated with 6 board members in decision making processes

ADDITIONAL INFORMATION

- Nationality/Work Authorisation: Romanian/ European Union (EU) and European Economic Area (EEA) countries
- Languages: Romanian (Native), English (Fluent), French (Business)
- Skills: Python, C++, Linux, Web development, React, Git, LaTex, Flutter, Microsoft Office Suite
- Interests: handball-8 years of training and competitions; regularly go carp fishing; reading different genres, particularly psychology