Andrei Cador
Data Scientist

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🪪 Profile

AI-passionate with a Robotics and Systems Engineering background. Actively improving my Machine Learning skills and extending my views on Artificial Intelligence.
I am spontaneous and energetic, and I always find my place in dynamic work environments. Driven by curiosity and always ready to learn and adapt.

💼 Professional Experience

Data Scientist Intern, FrieslandCampina

January 2022 – May 2022 | Amersfoort, Netherlands

- Developed a model for mineral content in infant nutrition products to reduce human experts' overhead in the manufacturing process.
- Working with Dataiku, Azure, Pandas, Sklearn, XGBoost

Data Analyst, Peeeks

May 2020 – June 2021 | Rotterdam, Netherlands

- Provided analytics to support decisions regarding customer comfort. The heat loss model I co-designed for boilers was successfully implemented in real households.
- Designed data-driven models for heat pumps, boilers, and consumption patterns.
- Interacted mostly with Python, Pandas, Plotly, Matplotlib, Seaborn, and Numpy.

Undergraduate Teaching Assistant,
Politehnica University of Bucharest

February 2019 – May 2019 | Bucharest, Romania

- Guided and supervised groups of 30 students at a time throughout two Control Engineering courses.
- Received positive end-of-semester feedback directly from the students.

Programmer Intern, UTI Group

May 2018 – October 2018 | Bucharest, Romania

- Developed and tested a Python library for KGuard, a device that allows the management of intrusion detection alarming, access control and time attendance patterns

Software Developer, Sunee (Start-up)

June 2017 – October 2017 | Bucharest, Romania

- Designed a Data-Driven model that could aggregate the total sun exposure using medical charts and statistics.

🎓 Education

MSc. Systems & Control, TU Delft

2019 – 2022 | Delft, Netherlands

BSc. Automatic Control and Computer Science,
Politehnica University of Bucharest

2015 – 2019 | Bucharest, Romania

Grade: 10/10

📖 Courses

Machine Learning & Data Science Bootcamp 2021,
ZeroToMastery

Machine Learning, Stanford Online

Introduction to Tensorflow, Deeplearning.AI

Convolutional Neural Networks, Deeplearning.AI

Introduction to Probability and Data with R,
Duke University

Azure Fundamentals, Microsoft

Azure AI Fundamentals, Microsoft

📂 Projects

Kaggle competitions
- Titanic - Machine Learning from Disaster (Top 5%)
- San Francisco Crime Classification (Top 60%)

Deep Learning projects
- Dog breed Identification (20000 images)
- Dogs vs Cats (25000 images)

Classic Machine Learning projects
- Bulldozer Price Prediction
- Heart Disease Classification
- Telecom customer churn rate

🧩 Skills

Python | Matlab/Simulink | C++ | C | R

Machine Learning | Deep Learning | ROS

Tensorflow (Keras) | Sci-kit Learn | Pandas | NumPy

PySpark | SQL | MS Azure | Dataiku

🎸 Interests

I recently started wood carving, I try to read daily, and I like to play video games on lazy nights. You could also find me playing football, skiing, and especially hiking.