

Contact

www.linkedin.com/in/datanerdd
(LinkedIn)
github.com/mathias3 (Portfolio)
www.kaggle.com/matias3
(Portfolio)

Top Skills

Data Science
Statistical Data Analysis
Machine Learning

Languages

English
Portuguese
Polish

Maciej Osowski

Machine Learning Engineer at Emplocity
Warsaw, Mazowieckie, Poland

Experience

Self-employed

AI & Machine Learning Consultant
November 2024 - Present (1 year 1 month)
Warsaw, Mazowieckie, Poland

Key Responsibilities

Develop and deploy predictive models for sales forecasting in retail, optimizing inventory and demand predictions for major chain.
Provide B2B AI/ML consulting, integrating LLMs into business systems with a focus on scalable R&D solutions.
Collaborate with cross-functional teams (data science, product, operations, logistics) to turn sales data into actionable insights, reducing forecast errors by 40%.
Part-time R&D , emphasizing experimental LLM applications (e.g., generative AI for text analysis and process automation).

Key Achievements
Implemented forecasting models boosting prediction accuracy by [e.g., 15-25%], yielding multimillion-pound operational savings.
Pioneered LLM experiments since 2022 (pre-mainstream), creating NLP prototypes for retail analytics.
Advised B2B projects using LLMs for personalized recommendations and customer sentiment analysis.

Skills & Technologies

ML/AI Frameworks: Python, TensorFlow, PyTorch, (LLM focus: transformer architecture).
Forecasting & Analytics: ARIMA, Prophet, XGBoost and alike; time-series integration.
Tools: SQL, Pandas, Polars , Scikit-learn; cloud (AWS and self host deployments).
Soft Skills: B2B consulting, stakeholder communication, agile methods.

Emplocity

7 years 5 months

Machine Learning Engineer

June 2021 - Present (4 years 6 months)

Warsaw, Mazowieckie, Poland

dvc, mlflow, pytorch, tensorflow, RLHF, DSPy , chain of thought

Data Scientist

July 2018 - May 2021 (2 years 11 months)

Warsaw, Masovian District, Poland

Natural Language Understanding and Generation with deep learning.

Recommender systems, chat bots, data bots, automatic Q&A systems creation

TogetherData

Data Scientist

September 2017 - July 2018 (11 months)

Warsaw, Masovian District, Poland

Natural Language Processing at scale with machine learning in Python.

tesseract ocr, keras, sci-kit learn, kraken , pandas, numpy, numba, gensim, spacy, fasttext,

Coco trading LTD.

Quantitative Analyst/Equity Trader

December 2013 - September 2017 (3 years 10 months)

Lisbon Area, Portugal

Data mining and modeling for trading(Python- Numpy, Pandas, SciPy).

Outliers search with Machine Learning(Scikit-learn, Keras)Trading american equities and ETF's. Creating algorithmic trading and trading strategies.

Analyzing trading data(Excel, Tableau, in-house bactesting tools) and adjusting automated trading strategies. Designing semi-automated tools for bionic trading.

EUROPROP® Trading

Equity Trader

February 2012 - November 2013 (1 year 10 months)

Trading american equities and ETF's.

KCI Recruitment

Team Coordinator/Interpreter

June 2007 - June 2011 (4 years 1 month)

Cambridge

team leader/interpreter for a recruitment agency. International staff outsourcing. Leading projects for customers in UK, Ireland, France and Italy. Direct B2B customer care.

IPK Personnel Consulting

Assistant to Director

October 2006 - April 2007 (7 months)

Assisting in recruitment for mid-level management positions. Direct executive search.

Mohegan Sun , Wall Drug Store

Intern

May 2005 - October 2006 (1 year 6 months)

USA

Various internships in Customer Care area

PKO BP

Intern

January 2006 - March 2006 (3 months)

HR Intern - assisting in recruitment projects

Education

University of Wales, Aberystwyth

Bachelor of Economics and Social Sciences, Intelligence studies · (2007 - 2010)

Uniwersytet im. Adama Mickiewicza w Poznaniu

Master of Arts (M.A.), Occupational Psychology · (2002 - 2007)