Michał Pawłowski
Deep Learning Engineer

PERSONAL DETAILS

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CAREER SUMMARY

Software engineer, turned Data engineer turned Data Scientist fascinated with Neural Nets and it's applications. Looking for a challenging role in the field of Deep Learning.

WORK EXPERIENCE

Deep Learning Researcher   since 10/2022
Sabbatical

Major tasks:

- research building blocks of NN (math and it's application in the field, pytorch'es inner machinery),

- building and optimizing NN's using pytorch and higher level frameworks (fastai),

- review of the DL literature (building blocks of modern NN's, transformers, language models)

- environment: python, pytorch, fastai, transformers, huggingface ecosystem, RL, Stable diffusion

Data Engineer   2018-08/2022
Boehringer Ingelheim, Remote

Major reponsibilities:

- data gathering from external and internal sources,

- data cleaning,

- data modeling,

- pipeline design and management.

- environment: python, numpy, pandas, sql, sklearn, tableau, postgresql

Software Developer (ML)   2017-2018
Tetrao, Luxembourg

Major reponsibilities:

- data gathering (web scraping, pdf data retrieval) and cleaning,

- scala programming (also with Play, Slick),

- model performance assessment,

- data and API modeling.

Software Architect and Developer `2012-2017`
Self-employed, UK

In a nutshell: software architecture and development services, on-demand CTO

My expertise lies with software best practices, design patterns, integrations between heterogeneous systems, API design and consumption, Machine Learning and AI.

Programming languages and technologies that I work most often with include Python, Ruby and RoR, Java and JEE as well as Javascript (including major MVCC frameworks like AngularJS) and HTML on the frontend side of things.

Owner `2009-2017`
Ordys, UK

SaaS e-commerce platform for restaurants and takeaways. Fully automated and self-managed hosted application that is based on a subscription model.

EDUCATION

Reinforcement Learning Course `2023`
Huggingface

Curriculum focused on applications of deep learning and machine learning to practical problems. For details see https://bit.ly/hf-rl-course

Practical Deep Learning for Coders `2021`
FastAI

Curriculum focused on applications of deep learning and machine learning to practical problems. For details see https://course.fast.ai/

Advanced Data Science with IBM `2019`
Coursera

Completed 3 out of 4 course specialization covering most important supervised and unsupervised algorithms (including Deep Learning) in the Apache Spark ecosystem. For details see https://bit.ly/2MkcgIQ

Nanodegree, Artificial Intelligence `2017-2018`
Udacity

Broad curriculum covering subjects from traditional approach to AI as Markov Models through Machine Learning fundamentals to covering state of the art Deep Learning models such as LSTMs or RNNs. It was focused on practical applications though - see my capstone project at https://bit.ly/2ON6q4N.

PGCert, Software Engineering `2008-2011`
University of Oxford

Good mix of theory and practice with focus on Object Oriented Design, Design Patterns, Web Services and UML.

BSc, Database design `1999-2002`
University of Warsaw

Subjects ranging from compiler design to neutral networks. Specialisation in the relational database design and programming.

Computer Languages	Python, Scala, Ruby, Java, JavaScript, C
DL	pytorch, fastai, Huggingface ecosystem, Vision algorithms transformers, Language Modelling
ML tools	scikit-learn, fast.ai library, pandas, matplotlib optuna, mlflow
ETL	scikit-learn pipelines, Luigi, web scraping, SQL, NoSQL KNIME
Machine Learning	sklearn, algorithm selection, parameter optimization, Deep Learning, Pandas, Numpy, Spark, KNIME
Other tools	Excel, Tableau
Languages	Polish (mother tongue) English (8 years working in the UK)