

Till Breuer

Data Scientist. ML Engineer. Software Engineer.

✉ breuertill@gmail.com

in [LinkedIn](#)

🐙 [GitHub: tilt](#)

🔗 [GitLab: tillt](#)

PROFILE

Data Scientist / ML Engineer and **software engineer** with 15+ years in software engineering, 10+ years in machine learning and 15+ completed projects, including 2 years with large language models and agentic systems. Mathematician with a diploma from University of Münster and broad mastery across software engineering, ML engineering, deep learning, data engineering and production systems.

EXPERIENCE

8/2019 - present

Freelance

Self-employed

Data Scientist

Freelance data scientist delivering completed ML and data engineering projects, from research spikes to cloud-based production software.

- Solved customer problems in computer vision, NLP, recommender systems, forecasting and video understanding
- Built production ML microservices, data pipelines and data warehouses on AWS and GCloud
- Worked in teams, led small teams and delivered selected projects independently from concept to implementation

2/2020 - 10/2021

mediaire GmbH

AI-software for radiologists

Senior Data Scientist

Benchmarked, adapted and integrated deep learning models for MRI segmentation and classification.

- Prototyped medical image analysis models and evaluated state-of-the-art approaches

6/2017 - 8/2019

Twenty Billion

Neurons GmbH

Realtime video understanding

A.I. Engineer / Senior A.I. Engineer

Developed neural network systems for real-time spatial and temporal activity detection in video.

- Applied video understanding technology in customer projects and supported mentoring

11/2014 - 6/2017

The unbelievable Machine Company GmbH

Cloud Service Provider and Full Service Provider for Data Solutions

Data Scientist

Led applied data science projects across computer vision, recommendations, predictive maintenance and forecasting.

- Owned customer communication, technical concepts and internal coding best practices

SKILLS

Programming & query languages

Python (12 years), SQL & relational databases (15 years), Ruby (7 years), JavaScript, AngularJS (5 years)

Machine learning & analysis

PyTorch (7 years), scikit-learn (10 years), pandas (10 years), Keras + TensorFlow (3 years), matplotlib, altair (10 years)

Data platforms & orchestration

Elasticsearch and ELK stack (5 years), GCloud & BigQuery (2 years), AWS (2 years), dbt (1 year), Airflow (1 year)

Methods & domains

Computer vision & video understanding, Natural language processing, Large language models & agentic systems, Recommender systems & bandit algorithms, Time-series forecasting, Statistical modelling & probability theory

EDUCATION

10/2004 - 06/2010

University of Münster

Diploma in Mathematics / Probability Theory Ø 1.2