Tim Patzelt

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Date of Birth: 13.10.1993, Address: Bahrfeldtstraße 13, 10245 Berlin

Introduction

Motivated AI research engineer with a track record of solving complex theoretical problems with practical implementation experience. Proven ability to translate cutting-edge research into high-impact software features and real-world applications. Seeking to apply my specialized expertise in advanced machine learning and natural language processing to drive innovation and deliver measurable results for a forward-thinking team.

WORK EXPERIENCE

Software Developer at dSPACE GmbH

Oct 2024 - present

- Architected and deployed conversational AI systems for internal and external use-cases
- Consulted enterprise-wide AI adoption strategy with implementation roadmaps
- Designed and implemented a scalable, internal SaaS platform for integration of AI products

AI Research Engineer at neurocat GmbH

Dec 2023 - Sep 2024

Nov 2019 - Oct 2023 (working student)

Jan 2019 - Oct 2019

- Code contribution to SaaS solution for automated testing of AI systems
- ML model training and evaluation pipelines
- ML research consulting in state-funded and customer projects

Data Scientist at HERR DER LAGE Consulting GmbH

Jan 2017 - March 2019 (part-time)

- Data consulting projects for hospital operators
- Research on deep-learning based analysis of medical reports
- Design and implement data warehouse for unstructured medical patient data (numerical and text)

EDUCATION

2017 - 2023: M. Sc. in Cognitive Systems at the **University of Potsdam, Germany** (Final Grade: 1.6)
Thesis: Medical Concept Normalization in a Low-Resource Setting
Projects: Drowsiness Detection from Eye-Tracking data, Recent Coreference Resolution Models for OntoNotes, Sentence Simplification with Character-level Transformers, Embedding-based Stance Analysis of News Data

2015 - 2016: Semester abroad at **University of Tartu, Estland**

2013 - 2017: B. Sc. in Cognitive Science at the **University of Osnabrück, Germany** (Final Grade: 1.7)
Emphasis on Artifical Intelligence, Computational Linguistics and Computer Science

SKILLS

Research	Deep Learning, Natural Language Processing, Computer Vision, Data Visualization, Bayesian Modeling, Adversarial Robustness, Explainability (XAI), Synthetic Data
Engineering	Python, MLOps and Pipelines, Git, Docker, Databases (MySQL, PostgreSQL), Test Driven Development, CI/CD, Scrum
Libraries	PyTorch, TensorFlow, Keras, HuggingFace, NumPy, pandas, scikit-learn, OpenCV, spaCy, Matplotlib, Weights&Biases, Jupyter
Languages	German (native), Englisch (fluent), Spanisch (basic)