DANIEL SCHROTER THÜM
Data Scientist & AI Engineer

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Links

https://daniel.schroter.eu
https://github.com/danielschroter
https://promptic.eu

Skills

Technology

Python, R, Keras, PyTorch, PyTorch-Lightning, Transformers

Machine Learning / Deep Learning

Reinforcement Learning

Natural Language Processing, LLM, RAG, Agentic AI

OpenAI & Azure AI Foundry

Microservices / Serverless

React / Next.js / TailwindCss

Azure & GCP

Business

Analytical Problem Solving

Business Development & Business Plans

Agile Software Development

Languages

German: Native

English, Spanish & Portuguese: Fluent

Others

Social Entrepreneurship Project at Enactus München e.V.

Business Model Development (UnternehmerTUM GmbH)

Sailor, Drone Pilot & Videographer

EXPERIENCE

Since 05/2025   **Co-Founder of Promptic (promptic.eu)**
- Developing a scalable platform for automated & data-driven prompt optimization.
- Developing high performing evaluation and optimization algorithms for GenAI.

Since 11/2023   **AI Engineer & Consultant at statworx GmbH**
- Developing NLP & GenAI centred applications across various industries: From autonomous negotiations to real-time voice agents and advanced RAG chatbots.
- Consulting clients as Subject Matter Expert for NLP, RAG and Agentic AI.

10/19-05/22   **Founder at SKIO, Munich**
- Building an NLP-based platform to connect experts within organizations.

10/2020 – 01/2021   **Internship at Credit Suisse, Zurich, Switzerland**
- Cognitive Platform: Building an AI-based Chatbot with Rasa.

04/2017 – 06/2017   **Internship at AT Kearney, Munich**
- Mathematical Optimization for the selection of suppliers.

09/2016 – 11/2016   **Internship at msg Gillardon, Ismaning**
- PoC development for twitter sentiment analysis to monitor customer satisfaction.

EDUCATION

04/2021 – 09/2023   **M. Sc. Computer Science at Technical University of Munich**
- Specialization: Machine Learning, NLP, xAI & Software Engineering
- Master's thesis: Discovering Human Values in Arguments – transformer ensemble for SemEval-2023 Task 4 (**1st of 41** teams; best-paper nomination, **23k+** model downloads)

10/2017 – 05/2021   **B.Sc. Computer Science Technical University of Munich**
- Specialization: Mathematics, Statistics, Artificial Intelligence

10/2015 – 02/2019   **B. Sc. Management & Technology at Technical University of Munich**
- Specialization: Computer Science, Operations Management
- Dean's List

01/2013 – 08/2015   **Käthe-Kollwitz-Schule (High School), Bruchsal**
- Final Grade: 1.1 | **Exchange Year in Brazil** | Specialization: Psychology

PERSONAL & RESEARCH PROJECTS

Predictive Quality Control: Machine Learning in a production line | **51%** cost reduction.

Intelligent Inventory: Reinforcement Learning in supply chains. | **69%** cost reduction.

Explainable AI: Making Siamese Neural Networks explainable for NLP-tasks | **5%** improvement.

AiOnePager: A Web-Application that extracts skills from text and creates a skill-profile.

PulsePicker: A customizable research agent, that informs you about latest research trends.

PUBLICATIONS

Schroter, Daniel et al. 2023. Adam-Smith at SemEval-2023 Task4: Discovering Human Values in Arguments with Ensembles of Transformer-based Models. *Proceedings of the 17th International Workshop on Semantic Evaluation (SemEval-2023).*