

DANIEL SCHROTER THÜM

Data Scientist & AI Engineer

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EXPERIENCE

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

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.
- Serving as subject matter expert for NLP, RAG and agentic AI in multiple client projects from internal pilots to production systems.

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)*.