DANIEL SCHROTER

Data Scientist & AI Engineer
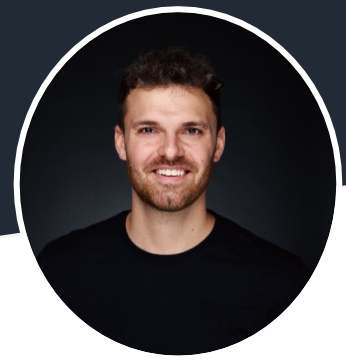
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Links

https://daniel.schroter.eu

https://github.com/danielschroter

Skills

Technology

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

Machine Learning / Deep Learning

Reinforcement Learning

Natural Language Processing, LLM's, RAG, Generative AI, Langchain

Explainable AI

Microservices / Serverless

React / Next.js / TailwindCss

Business

Analytical Problem Solving

Business Development & Business Plans

Agile Software Development

Pitching & Presentations

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

EDUCATION

Since 04/2021   **M. Sc. Computer Science at Technical University of Munich**

- Specialization: Machine Learning, NLP, ethical AI & Software Engineering

10/2017 – 05/2021   **B.Sc. Computer Science Technical University of Munich**

- Final Grade: 1.8
- Specialization: Mathematics, Statistics, Artificial Intelligence

10/2015 – 02/2019   **B. Sc. Management & Technology at Technical University of Munich**

- Final Grade: 1.5 | Dean's List
- Specialization: Computer Science, Operations Management

01/2013 – 08/2015   **Käthe-Kollwitz-Schule (High School), Bruchsal**

- Final Grade: 1.1 | **Exchange Year in Brazil** | Specialization: Psychology

EXPERIENCE

Since 11/2023   **AI Engineer & Consultant at statworx GmbH**

- Developing NLP & GenAI centred applications across various industries.

10/19-05/22   **Founder at SKIO, Munich**

- Founder of SKIO: A HR-Tech start up.
- Building a Web-App that uses NLP to connect experts within organizations

10/2020 – 01/2021   **Internship at Credit Suisse, Zurich, Switzerland**

- Cognitive Platform: Building an AI-based Chatbot with Rasa.
- Building a question answering system with haystack to retrieve answers from a set of documents

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.

PERSONAL & RESEARCH PROJECTS

Discovering Human Values in Arguments: Competition Winning NLP-System | **1**st of 41 teams.

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

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

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

ProjectHR21: Web-Application that uses NLP to connect experts.

AiOnePager: A Web-Application that extracts Skills and automatically writes an OnePager.

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