Curriculum Vitæ

Name	Dr. rer. nat. Simon Stieber
Address and Contact	Available upon request

Education

02/2018 – 12/2023 **Promotion, Dr. rer. nat.**, *University of Augsburg*, "Magna cum laude", (1,0).
"Machine learning for carbon fiber reinforced polymer production"

10/2015 – 12/2017 **Master Informatik**, *University of Augsburg*, 1,6, Focus: Machine Learning.
"Deep Weather: Weather Recognition as an Application for CNNs in ADAS"

10/2011 – 09/2015 **Bachelor Informatik**, *TH Augsburg*, 2,4, Focus: Linux, Network.
"Identification of services in the home network"

09/2001 – 05/2010 **Abitur**, *Maria-Theresia-Gymnasium*, Augsburg, 2,2.

Professional experience

02/2025 – now **Senior AI Engineer**, *XITASO GmbH*, Munich, Delivery and Business Development.
Delivery:
- Work in customer AI projects for knowledge retrieval, chat bots, agentic AI, general NLP, computer vision and operationalisation of prototypes
- Customer contact within agile projects, agile project management
- ML model training, MLOps, model maintenance
- Software engineering with and around LLMs

Business Development:
- Technical support of business development, pre-sales and sales
- Shaping internal and external AI strategy
- Representing company and giving talks at conferences and expert groups

Internal Leadership & Adoption:
- Deputy Lead of the AI & Data Community
- AI Ambassador: driving company-wide adoption of AI tools and practices

02/2024 – 08/2024 **Personal Sabbatical**, *Cultural exploration and personal development*, Vietnam and southeast Europe, Focus on intercultural experiences and new challenges.

02/2018 – 01/2024	**Scientific Assistant**, *University of Augsburg*, Augsburg, Institute for Software and Systems Engineering.

Group leader (Project Management) (03/2021 – 01/2024) "Methods of AI"
- Project leadership and management of PhD students and research assistants
- Management and acquisition of several research projects

Doctoral student (02/2018 – 12/2023): Thesis "Machine learning for carbon fiber reinforced polymer production" supervised by Prof. Reif. Digitization, process monitoring and optimization for industrial process (IoT): RTM
- Machine learning: CNNs, LSTM, transformers, reinforcement learning for image and time series data; data acquisition and analysis for large amounts of data (>7 TB)
- 10+ scientific and peer-reviewed publications
- Assistance in lectures and exercises, supervision of theses

04/2017 – 09/2017	**Master Student**, *Continental A.D.C. GmbH*, Lindau, AE Camera.

Creating a DL algorithm to classify weather conditions using a big data set (1.6 m. samples), including data management, network training, evaluation and visualization

10/2016 – 5/2017	**Student assistant**, *University of Augsburg*, Augsburg, Autonomous driving group.

Tutor for course "Embedded Software Engineering"

09/2014 – 08/2016	**Working student**, *Igel Technology GmbH*, Augsburg, OS (Linux) development.

Projects to facilitate the daily work of developers

Technical Skills

Software Dev.	Python, Java, Perl, C, C++, Qt, Agile Development
Machine Learning & Artificial Intelligence	CNN, LSTM, Transformer, PyTorch, Keras, Tensorflow, SentenceTransformers, OpenAi, HuggingFace, LangChain, Llamaindex, Prompt Engineering, RAG
Databases	QDrant, Weaviate, Azure AI Search, MongoDB, MySQL, IBM Db2, sqlite
Tools	MLFlow, CI/CD (Gitlab Pipelines), Docker, Git, Gitlab/-hub
Operating systems	Linux, Windows, MacOS
Office Software	Microsoft Office, TeX, LaTeX

Certificates

edX/IBM	DB0201EN: SQL for Data Science; Completed 11/2024; https://courses.edx.org/certificates/86572fc4157d4d82906c2d46e6cd3eb2
Coursera/AWS	AWS Cloud Technical Essentials; Completed 12/2024; https://coursera.org/share/93dce773b71e7869cfe3416e6c2d391d

Languages

German	Mother Tongue	
English	Fluent	*C1 (obtained through Abitur)*

References

Available upon request