



David Schaupp

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Gender: Male **Date of birth**: 11/10/1994 **Nationality**: Austrian

WORK EXPERIENCE

FiveSquare GmbH

City: 4020 Linz | **Country**: Austria

[01/09/2024 – Current] **Senior Data Scientist**

Developed 'Karli,' a large language model, driving innovation through fine-tuning and deployment on a custom H100 GPU cluster in Austria. Led proof-of-concept projects with large corporations and implemented multi-agent systems to optimize dynamic workflows and enhance operational efficiency.

Fachhochschule St. Pölten

City: 3100 St. Pölten | **Country**: Austria

[01/09/2023 – Current] **Part-time lecturer**

Conduct lectures in the winter and summer semesters on the Bachelor-level courses "Fundamental Machine Learning Concepts and Applications" and "Data Analysis and Visualization," as well as the Master-level course "Data Management, Process Automation, and On-Premise ML Deployment," while supervising Bachelor's and Master's theses and semester projects.

Current Thesis Supervision:

- **Master's Thesis**: "Analysis of AI Use Cases in Project Management for Software Development"
- **Bachelor's Thesis**: "Optimizing Quality Assurance for Rental Formwork in Austria Using AI: Performance Analysis of Different Models"

Umdasch Group Ventures GmbH

City: 3300 Amstetten | **Country**: Austria

[01/10/2020 – 31/08/2024] **AI Engineer**

Responsible for the technical planning and implementation of AI projects from concept to rollout, optimizing internal processes and driving innovation in the construction and retail industry, while collaborating with stakeholders and technical teams to achieve project goals and ensure technology transfer; additionally, conduct [knowledge-sharing sessions](#) with students from 42 Vienna.

Umdasch Group Ventures GmbH

City: 3300 Amstetten | **Country**: Austria

[01/09/2018 – 30/09/2020] **IoT Project Engineer**

Development of IoT solutions, including the design of hardware, software and middleware, testing and evaluation of solutions to ensure their performance and reliability, as well as the implementation of machine learning algorithms for classifying and analyzing sensor data.

Doka GmbH

City: 3300 Amstetten | **Country**: Austria

[01/10/2015 – 31/08/2018] **Production Engineer**

Experience in the processing of machine investments, optimization of machines, systems and equipment as well as in the participation and preparation of calculations.

EDUCATION AND TRAINING

[01/09/2020 – 01/02/2023] **Diplom-Ingenieur**

Fachhochschule St. Pölten

City: 3100 St. Pölten | **Country:** Austria | **Field(s) of study:** Interactive Technologies | **Thesis:** Development of an Siamese Convolutional Neural Network for Handwritten Text Similarity Recognition in Medieval Manuscripts

[01/09/2017 – 01/07/2020] **Bachelor of Science in Engineering**

Fachhochschule St. Pölten

City: 3100 St. Pölten | **Country:** Austria | **Field(s) of study:** Smart Engineering of Production Technologies and Processes | **Thesis:** Potential analysis for the combination of Internet of Things and Artificial Intelligence to improve decisions in construction and planning

[01/09/2020 – 31/08/2023] **Master of Science in Engineering**

Johannes Kepler Universität

City: 4040 Linz | **Country:** Austria | **Field(s) of study:** Artificial Intelligence

- Without a degree due to lack of time

- Lectures and exercises in machine and deep learning

PROJECTS

[Current] **Personal Projects/Research**

Project Details and Repository Links - [Homepage](#)

SKILLS AND TOOLS

Skills

Experienced in teamwork and problem-solving, with strong leadership skills to create a positive environment and achieve common goals, committed to continuous learning and actively engaged in knowledge sharing.

Tools

Proficient in Python and profound experience in machine learning, deep learning, computer vision, language processing, generative AI, as well as in the implementation of solutions on cloud platforms and edge devices.