

# FELIX FÖRSTER

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## EDUCATION

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### **M. Sc. Computer Science**, Munich, *Technical University of Munich*, grade 1.4

10/24 – present

- Specializing in Computer Vision, Natural Language Processing, and Deep Learning for 3D Geometry
- Built a DL pipeline consisting of several open-source deep learning models including Diffusion (Stable Diffusion 2.5), Segmentation (SAM 2), pose estimation and more) – grade: 1.0

### **B. Sc. Computer Science**, Munich, *Technical University of Munich*, Grade 2,0

10/21 – 10/24

- Specializing in Artificial Intelligence and Economics. I worked on multiple deep learning projects gaining hands-on experience with Python, PyTorch, and Computer Vision.
- Completed bachelor's thesis about Multi-Agent Reinforcement Learning with a grade of 1.0
- Analyzed building materials with U-Nets, GANs, and much more. I finished the project with a grade of 1.3.

## EXPERIENCE

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### **Research Paper Publication**, Computer Vision Group, IEEE IV 2025

03/25

- Researched the potential of multi-agent navigation of vehicles in unconstrained environments through Reinforcement Learning. This includes an extensive literature review and advanced visualizations.
- Published in IEEE IV 2025 conference, including review of third-party submissions.

### **Student Assistant**, Computer Vision Group, MuMoL, Technical University of Munich

09/24 – present

- Open-source software adaptation for medical purposes including local large-scale deployment of LLMs
- Engineered LLM agents with Langgraph as well as enhancing performance by custom prompt engineering.
- Student assistant with experience in dataset management and analysis

### **Working Student - Software Engineer**, *Levigo Solutions GmbH*

08/21 – 10/24

- Introduced new software quality assurance measures for Kubernetes clusters with Testkube and Postman to improve code quality and reduce redundant tasks.
- Implemented PDF-a verification tool for documents in Java in the form of a back-end API.

### **Seminar Paper**, Grade: 0.7

10/19 – 06/20

- Analyzed the impact of artificial intelligence on society in the form of a seminar paper.

## SKILLS

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**Deep Learning** | Python – PyTorch – Reinforcement Learning – U-Net – LLMs – DL Deployment

**BACK-END DEVELOPMENT** | Java – REST API – Junit – C – SQL – GIT – Docker

## ADDITIONAL CERTIFICATIONS

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- Active in a Corona test facility with responsibility for IT infrastructure and shift staff. (03/21 – 03/22)
- Linguistic and intercultural exchange as an exchange student in Costa Rica. (07/20)