Noah Farr

work@noahfarr.com | +4915117722186 | linkedin.com/in/noahfarr | github.com/noahfarr

EDUCATION

TU Darmstadt, Darmstadt, Germany　　　　　　　　　　October 2020 | September 2024
Computer Science　　　　　　　　　　　　　　　　　　　　　　　　　　　　GPA 1.7

Wolfgang-Ernst-Gymnasium, Büdingen, Germany　　　　　　August 2012 | Mai 2020
Abitur　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　GPA 1.8

EXPERIENCE

TNO-ESI, Eindoven, Netherlands　　　　　　　　　　May 2024 - September 2024
Reinforcement Learning for Intelligent Diagnostics　　　　　　　　Research Internship

- Evaluate the potential of reinforcement learning algorithms in the context of intelligent diagnostics
- Conduct experiments to apply reinforcement learning for root cause analysis

usd AG Neu-Isenburg, Germany　　　　　　　　　　　January 2023 - April 2024
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　Working Student

- Backend development of internal tools and services
- Automation of processes

C24 Bank Mainz, Germany　　　　　　　　　　October 2021 - December 2022
Project Manager　　　　　　　　　　　　　　　　　　　　　　　Working Student

- Regular testing for acceptance of new features and weekly release
- Independent development of concepts and functions

PROJECTS

TU Darmstadt, Darmstadt, Germany　　　　　　　　April 2023 - September 2023
Reinforcement Learning for Contact-Rich Manipulation　　　　　　Robot Learning Lab

- Conducted a thorough literature review on current issues in reinforcement learning
- Developed a novel approach for contact-rich manipulation tasks
- Validated approach using IsaacSim and MuJoCo

TU Darmstadt, Darmstadt, Germany　　　　　　　　April 2024 - September 2024
On Designing Reward Functions for Robotic Tasks　　　　　　　　Bachelor Thesis

- Developed a novel approach for reward function design
- Validated approach using MuJoCo with custom-build locomotion and manipulation tasks.

SKILLS

- **Relevant Coursework:** Reinforcement Learning, Statistical Machine Learning, Robot Learning, Computational Engineering and Robotics

- **Programming:** Python, Django, PyTorch, Numpy, Jax, Gymnasium, Stable Baselines 3, MuJoCo, Isaac Sim, SQL
- **Software:** Linux, Git, Docker, VS Code, Jira, Asana, MS Office, Redis
- **Languages:** German (Native), English (Fluent)