



fortiss is the research institute of the Free State of Bavaria for the development of software-intensive systems with headquarters in Munich. The scientists at the institute cooperate in research, development and transfer projects with universities and technology companies in Bavaria, Germany and Europe. The focus is on research into state-of-the-art methods, techniques and tools for the development of software- and AI-based technologies for dependable, secure cyber-physical systems such as the Internet of Things (IoT). fortiss is organized in the legal form of a non-profit limited liability company. Shareholders are the Free State of Bavaria (majority shareholder) and the Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. www.fortiss.org

In KI-Absicherung (BMW) project, we search for a new team member:

RESEARCH INTERNSHIP HIWI: NEURAL NETWORK GENERALIZATION

Your tasks:

- Support Machine Learning group on analysis of the network generalization ability in autonomous driving scenes.
- Evaluate existing generalization measurement on a given pedestrian detection dataset.
- Work with an automobile company in Munich on re-implementing and training large-scale machine learning models for pedestrian detection.

Your profile:

- TUM EI master student for Forschungspraxis
- Feel comfortable in reading ML papers, especially theoretical and mathematical parts
- Strong background in Python and PyTorch, familiar with ML tasks and training pipeline
- Excellent communication skills in English

Our offer:

- A three-month HiWi contract with payment
- Knowledge in cutting-edge ML, insightful tech talks and sufficient guidance
- Connections to industry
- Free coffee and beverage

Did we catch your interest?

Please submit your application with a detailed CV and a current transcript of records.

Contact: Tianming Qiu (qiu@fortiss.org)