Company Description

At Bosch, we shape the future by inventing high-quality technologies and services that spark enthusiasm and enrich people’s lives. Our promise to our associates is rock-solid: we grow together, we enjoy our work, and we inspire each other. Join in and feel the difference.

The Robert Bosch GmbH is looking forward to your application!

Job Description

- The goal of the thesis is to develop methods for data-centric radar AI development, including relevant data selection, understanding of structures in data, recognition of invariances for easier generalization, and achieving robustness.
- The ongoing automation of the driving functions in cars needs accurate environment sensing and perception.
- Radar is a key surround sensing technology for automated driving and AI based methods play a key role for radar perception.
- Ideally, the developed approaches are implemented prototypically and applied to a cutting edge radar AI use case in the field of autonomous vehicles.

Qualifications

- **Education:** excellent Master's degree in Data Science, Electrical Engineering, Physics or Applied Informatics
- **Personality:** good communication skills
- **Experience and Knowledge:** good knowledge in state-of-the-art AI methods, digital signal processing, experience in programming in python, knowledge of automotive radar and git are a plus
- **Languages:** fluent English and good German language skills

Additional Information

**Supervisor for this PhD Thesis:** Prof. Bin Yang, Institute of Signal Processing and System Theory


**Need further information about the job?**
Dr. Benedikt Lösch (Functional Department)
+49 711 811 55315