

PhD Thesis Data-centric Radar AI

Robert-Bosch-Campus 1, 71272 Renningen, Deutschland

Full-time, Legal Entity: Robert Bosch GmbH

<https://smrtr.io/dpR2V>



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Company Description

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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

Please submit all relevant documents (incl. Letter of motivation, curriculum vitae, grade certificates, work certificates, if available: master's thesis, publications list).

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Need further information about the job?

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