

# Personal Information

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## Yue Yao

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**Summary:** PhD candidate with **7.5 years of industry experience** in traffic scene prediction for autonomous driving. Skilled in data analysis, model evaluation, and the development of deep learning models. Research published in top robotics and intelligent transportation venues, including **RA-L**, **ICRA** and **IROS**.

# Work Experience

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## AI Research Scientist — Continental AG, Germany

Jan 2022 – present

- Conducted research on traffic scene prediction for autonomous driving systems.
- Published **5 papers** in leading robotics and transportation venues (RA-L, ICRA, IROS).
- Filed **4 patent applications** on trajectory prediction and multi-agent interaction.

## Algorithm Developer — ZF Friedrichshafen AG, Germany

Jun 2018 – Dec 2021

- Developed algorithms for trajectory prediction and map interpretation for autonomous vehicles.
- Filed **5 patent applications** in the field of autonomous driving.

## Intern — Audi AG, Germany

Nov 2016 – Apr 2017

- Worked on driver monitoring system.

# Education

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## Freie Universität Berlin, Germany

Jan 2022 – present

PhD in Computer Science (AI and robotics)

## Karlsruhe Institute of Technology (KIT), Germany

Apr 2014 – Jan 2018

M.Sc. Mechanical Engineering (grade: 1,6)

## Wuhan University of Technology, China

Sep 2009 – June 2013

B.Sc. Automotive Engineering (grade: 2,1)

# Technical Skills

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- **Programming:** Python, C++
- **Deep Learning:** Pytorch, Tensorflow
- **Robotics & Cloud:** ROS 1/2, Docker, AWS
- **Languages:** English (Fluent), German (Fluent), Chinese (Native)