



# Marc Katzenmaier

Robotics, Cognition, Intelligence (M.Sc.)

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## Languages

- German ●●●●●
- English ●●●●●

## Programming Skills

- Python ●●●●●
- C++ ●●●●●
- C# ●●●●●
- R ●●●●●

## Software and Tools

- Machine Learning (PyTorch, Lightning, NumPy, Pandas) ●●●●●
- Data Visualisation (Matplotlib, Plotly, echarts4R) ●●●●●
- Latex ●●●●●
- Linux ●●●●●
- Unity ●●●●●

## Experience

- 10/2020 – 9/2021 **Internship in Clinical Data Management** F. Hoffmann-La Roche AG  
Augmented Reality, Data Management, Machine Learning, Cloud Computing, Natural Language Processing
- 3/2020 – 9/2020 **Master Thesis** ZF Friedrichshafen AG  
Title: *Self-Supervised Ego-Path Prediction*  
Deep Learning, Image Understanding, Autonomous Driving
- 8/2017 – 3/2018 **Bachelor Thesis** Daimler AG  
Title: *Discriminative Feature Learning for Instance Segmentation*  
Deep Learning, Image Understanding, Semantic Instance Segmentation, Autonomous Driving
- Student Assistant** Reutlingen University
- 4/2017 – 9/2017 Machine Learning, Human Pose Detection
- 9/2015 – 9/2016 Face Recognition, Pose Normalization
- 2/2015 – 4/2015 Object Tracking

## Education

- 10/2021 – present **Computer Vision PhD** University of Zurich  
Computer Vision, Deep Learning, Quantitative Wood Anatomy
- 4/2018 – 9/2020 **Robotics, Cognition, Intelligence** Technical University of Munich  
Master of Science (1.6, GPA: 3.4/4.0)  
Deep Learning, Machine Learning, Computer Vision, Robotic
- 8/2019 – 12/2019 **Exchange Student** NTNU Trondheim, Norway  
Computer Graphics, Computer Vision, Bioinformatic
- 9/2014 – 3/2018 **Mechatronic** Reutlingen University  
Bachelor of Engineering (1.3, GPA: 3.7/4.0)  
Computer Science, Robotics, Automation, Electronics
- 9/2016 – 12/2016 **Exchange Student** Kettering University Flint, USA  
Robotic, Cryptography, Game Design

## Scholarships

- 2015, 2016 **Deutschland Stipendium Promos**
- 2016
- 2014 **Mechatronik Industriepartnerschaft**

## Extra-Curricular Activities

- 9/2014 – 3/2018 **Robocup** Reutlingen University  
1th place Robotica (Portuguese Robotics Open)  
3rd place Robocup German Open 2017  
8th place Robocup 2017
- 9/2015 – 2/2016 **Handball coach** Reutlingen University