



# Constantin Selzer

PHD STUDENT · INTELLIGENT VEHICLES LAB · MUNICH UNIVERSITY OF APPLIED SCIENCE

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## Education

### University of Applied Science

Munich

#### PHD CANDIDATE

02/2023 - present

- Topic: Unified Prediction and Planning for Autonomous Driving
- Thesis Advisor: Prof. Dr. Fabian B. Flohr

### University of Applied Science

Munich

#### M.SC. ELECTRICAL ENGINEERING

03/2021 - 10/2022

- Focus of Studies: Autonomous Systems
- Thesis Advisor: Prof. habil. Dr. Alfred Schöttl

### University of Applied Science

Munich

#### B.ENG. ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

10/2016 - 03/2021

- Focus of Studies: Communication Engineering
- Thesis Advisor: Prof. Dr. Arne Striegler

### Staatliche Fachober- und Berufsoberschule

Erding

#### ALLGEMEINE HOCHSCHULREIFE

09/2013 - 07/2016

- Focus of Studies: Technical

## Professional Experience

- 02/2023-present **Research Assistant**, University of Applied Science Munich
- 01/2020-12/2022 **Working Student for Master Data Management**, Siemens AG
- 04/2019-09/2019 **Trainee for Project Management**, Münchner Stadtentwässerung

## Publications

### PUBLISHED

- C. Selzer**, F. Flohr, 2024, DeepUrban: Interaction-aware Trajectory Prediction and Planning for Automated Driving by Aerial Imagery, 27th IEEE International Conference on Intelligent Transportation Systems.

## Teaching Experience

- Summer 2024 **Computer Engineering 3 (EG492)**, Exercise Support
- Winter 2023 **Autonomous Driving (EL470)**, Lecturer
- Summer 2023 **Computer Engineering 3 (EG492)**, Exercise Support

## Outreach & Professional Development

### PARTICIPATION IN NATIONAL AND INTERNATIONAL VENUES

- Tacheles Conference 2024**, Generative Models for Autonomous Driving on Different Levels. Topics: Generative Methods, Metrics, Simulation as a Digital Twin

- IEEE International Conference on Intelligent Transportation Systems 2024**, Intelligent Transportation Systems (ITS). Topics: Developments in theory, analytical and numerical (including high-fidelity) simulations, modeling, experimentation, advanced deployment and case studies, and results of laboratory or field operational tests.

### REVIEWER IN PEER-REVIEWED CONFERENCES

- 35th IEEE Intelligent Vehicles Symposium 2023
- 36th IEEE Intelligent Vehicles Symposium 2024