KEVIN SCHMIDT

M.Sc. Student in Autonomous Systems

⊙ Bingen am Rhein, Germany

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🌐 https://kevs272.github.io/

in https://www.linkedin.com/in/kevin-schmidt-61894b171

⯃ https://github.com/KevS272

SKILLS

Programming

Presentation Skills

Scientific Writing

Project Management

Communication Skills

Willingness to Learn

PROGRAMMING LANGUAGES

Python C++ Java
HTML & CSS Javascript

FRAMEWORKS, LIBRARIES & OTHERS

ROS (2) OpenCV
CUDA TensorRT Docker
PyTorch Linux Isaac Sim

LANGUAGES

German - Native Speaker

English - Advanced, C1
TOEFL iBT: 110/120

HOBBIES

Cooking Traveling
Guitar Concerts Piano

EDUCATIONAL BACKGROUND

Eötvös Loránd University Budapest, Hungary   **09/2023 - 06/2024**

M.Sc. Autonomous Systems
Specialization: Computer Science for Autonomous Driving
EIT Digital Master School - Exit year

KTH Royal Institute of Technology Stockholm, Sweden   **08/2022 - 06/2023**

M.Sc. Autonomous Systems
EIT Digital Master School - Entry year

Baden-Wuerttemberg Cooperative State University Mannheim, Germany   **09/2017 - 09/2020**

B.Sc. Business Information Systems - Grade: *1.5 (excellent)*
Integrated study program with Atos Information Technology GmbH

WORK EXPERIENCE

Master Thesis Worker   **02/2024 - 05/2024**
Scania CV AB, Södertälje, Sweden

- Master's thesis: "Self-supervised Dynamic Occupancy Grid Mapping for Autonomous Trucks"
- Creation of an automatic data labeling pipeline for potential use with a RNN-based dynamic occupancy grid mapping system
- Evaluation of the approach under the conditions of autonomous long-haul trucks using real-world data

Digital Business & Innovation Manager   **10/2020 - 12/2023***
Eviden Germany GmbH, Frankfurt, Germany
(Until 04/2023: Atos Information Technology GmbH)

- Sales expert for IT services for manufacturing, sustainability and autonomous driving software development
- Responsible for startup and partner collaborations, customer events, industry fairs, client meetings and workshops

*long-term leave during study periods starting 08/2022

Cooperative Student Intern   **10/2020 - 09/2017**
Atos Information Technology GmbH, Frankfurt, Germany

- Six consecutive internships in different departments:
  IT Service delivery management, SAP consulting, Project and transition management, Digital Business and Innovation

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AWARDS & CERTIFICATES

Best Entrepreneurial Team
EIT Digital Summer School
Vilnius, Lithuania
Pitch competition winner
2023

Best Entrepreneurial Team
EIT Digital Master School Kickoff
Tallinn, Estonia
Pitch competition winner
2022

Apprentice instructor certification (Ausbilder-eignungsprüfung)
IHK Rhein-Neckar
2020

ITIL Foundation certificate
AXELOS Global
2019

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PUBLICATIONS

Towards Environment-Dependent Model Switching for Performance and Accuracy Conscious Object Detection in Day- and Nighttime Urban Traffic Environments
IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC)
2023

Signal processing pipeline for an autonomous electrical race car
IMAGE PROCESSING FORUM
2022

OTHER NOTEWORTHY EXPERIENCE

Driverless Perception Group Leader   **05/2023 - 08/2023**
KTH Formula Student, Stockholm, Sweden

- Management of perception-related projects within the Driverless team
- Supervision of the teams' engineering design documentation
- Planning and execution of system tests using a mobile test platform
- Implementation of camera and LiDAR-based object detection algorithms
- Participation at Formula Student Germany 2023 including engineering design event

Volunteer Software Engineer   **03/2023**
Aerit, Stockholm, Sweden

- Setup and configuration of a solid-state LiDAR for use in drone applications
- Containerized driver deployment on a Raspberry Pi

Driverless Perception Software Engineer   **09/2022 - 04/2023**
KTH Formula Student, Stockholm, Sweden

- Implementation of camera and LiDAR-based object detection algorithms
- Collaboration on modularization and containerization of a end-to-end autonomous system ROS pipeline

Alumni Autonomous System Advisor   **10/2021 - Current**
CURE Mannheim e.V., Mannheim, Germany

- Support and consulting of club members in the areas of camera-based object detection, ROS, Docker, sensor and compute hardware selection and design concept evaluation
- Communication with driverless-specific sponsors

Lead Software Engineer Perception   **09/2019 - 09/2021**
CURE Mannheim e.V., Mannheim, Germany

- Establishment of the Driverless division inside the club
- Implementation of camera-based object detection algorithms
- Sensor and compute hardware selection
- Planning and execution of vehicle tests
- Containerization of a end-to-end Autonomous System ROS pipeline
- Participation at Formula Student East 2021 in the DV category (5th place dynamics, 10th place overall) including engineering design event