

# KEVIN SCHMIDT

M.Sc. Student in Autonomous Systems

📍 Södertälje, Sweden



kevin.schmidt272@gmail.com



<https://kevs272.github.io/>



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



<https://github.com/KevS272>

## SKILLS

Programming

Presentation Skills

Scientific Writing

Attention to Detail

Creativity

## PROGRAMMING LANGUAGES

Python

C++

Java

HTML & CSS

Javascript

## FRAMEWORKS, LIBRARIES & OTHERS

ROS (2)

OpenCV

CUDA

TensorRT

Docker

PyTorch

Linux

## LANGUAGES

German - Native speaker

English - Advanced, C1

TOEFL iBT: 110/120

## HOBBIES

Cooking

Exploring

Guitar

Concerts

Piano

## EDUCATION BACKGROUND

### Eötvös Loránd University Budapest, Hungary

2023 - 2024

M.Sc. Autonomous Systems - CS for Autonomous Driving  
EIT Digital Master School - Exit year

### KTH Royal Institute of Technology Stockholm, Sweden

2022 - 2023

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

### Baden-Wuerttemberg Cooperative State University Mannheim, Germany

2017 - 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

- Research on combining probabilistic and ML dynamic occupancy grid mapping methods
- Creation of a fully self-supervised data annotation and training pipeline for RNN-based dynamic occupancy grid mapping system
- Evaluation of the approach under real-world conditions of autonomous hub-to-hub trucks

### 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 automated driving development
- Responsible for startup and partner collaborations, customer events, industry fairs, client meetings and workshops

\*long-term leave during master study periods

### 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

2023 Best Entrepreneurial  
Team

EIT Digital Summer School  
2023, Vilnius, Lithuania  
Pitch competition winner

2022 Best Entrepreneurial  
Team

EIT Digital Master School  
2022, Tallin, Estonia  
Pitch competition winner

2020 Apprentice instructor  
certificate

IHK Rhein-Neckar

2019 ITIL Foundation  
certificate

AXELOS Global

## 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, co-author

Signal processing pipeline  
for an autonomous  
electrical race car

IMAGE PROCESSING FORUM  
2022, co-author

## OTHER NOTEWORTHY EXPERIENCE

**Driverless Perception Group Leader**

**05/2023 - 08/2023**

*KTH Formula Student, Stockholm, Sweden*

- Management of perception-related projects inside the team
- Supervision of the teams' Engineering Design documentation
- Representation of the team at Formula Student Germany 2023, including the Engineering Design Presentation
- Implementation of camera and lidar-based object detection algorithms for a Formula Student Driverless race car

**Driverless Perception Software Engineer**

**09/2022 - 04/2023**

*KTH Formula Student, Stockholm, Sweden*

- Implementation of camera and lidar-based object detection algorithms for a Formula Student Driverless race car
- Collaboration on modularizing and containerizing a large ROS project

**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 on request

**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 and lidar-based object detection algorithms for a Formula Student Driverless race car
- Sensor and compute hardware selection
- Containerization of a large ROS project
- Representation of the team at Formula Student East 2021, including the Engineering Design Presentation