

STEFAN SU

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EDUCATION

Technical University of Munich

Oct 2015 - Present

- 3rd year B.Sc. in Informatics at the Department of Informatics (expected graduation year: 2018).
- Coursework: Algorithms & Datastructures, Software Engineering, Operating Systems, Computer Networking

Technical University of Munich

Oct 2012 - Sept 2015

- Graduated with B.Sc. in Chemical Engineering at the Department of Chemistry.
- Advanced Topics in Math (Calculus, Linear Algebra, Numerics), Modeling, Process and Chem. Reaction Engineering.

WORK EXPERIENCE

Technical University of Munich

Starting Nov 2017

Student Research Assistant, Chair of Robotics and Embedded Systems

Munich, Germany

- Will perform numerical experiments for trajectory planning and control for autonomous vehicles, continuing the work done in the well-received Randomized Kinodynamic Planning project (see section below).

Soley GmbH

Jun 2016 - May 2017

Working Student in Software Development

Munich, Germany

- Extended the ANTLR parser generator for the GrGen.NET graph transformation language, improved the functionality of code autocompletion within the core product to enhance productivity of over 50 client users using C# and .NET framework.

Infineon Technologies AG

Mar 2015 - Aug 2015

Working Student in R&D

Neubiberg, Germany

- Implemented and launched a Matlab app for analysis and interpretation of Transmission Line Pulse measurement results that improved the efficiency of a team of 10 people.

PROJECTS

Randomized Kinodynamic Planning

May 2017 - Aug 2017

- Implemented a Single-rapidly-exploring-random-tree motion planning algorithm for autonomous vehicles in Python utilizing CommonRoad that provides traffic scenarios, vehicle models and cost functions.

Verleihtool

Mar 2017 - Apr 2017

- Implemented and released the [Verleihtool](#) web app for the departmental student council using the Django framework that enables categorization, and loaning / returning of designated pieces of equipment owned by the student council to be accessed and used by all members of the faculty and the student bodies.

SKILLS

Programming

Java, Python, C#, C, MATLAB, OCaml, SQL

Tools

Git, TFVC, L^AT_EX, HTML

EXTRACURRICULAR ACTIVITIES

TUM: Departmental Student Council of MPI

Jul 2016 - PRESENT

Head of SET division

Munich, Germany

- Supervising and organising the orientation days (SET) for all freshmen of the faculty at the beginning of each term.

TUM: Junge Akademie - Buddies for Refugees Program

Sept 2016 - Apr 2017

Buddy for Program Attendee

Munich, Germany

- Managed to achieve acknowledgement of high school diploma of former Mathematics student refugee from Syria meeting the formal requirements for an undergraduate degree at an officially recognized university in Germany.