

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).
- Interests: Software Engineering, Android Development, Distributed Systems

Technical University of Munich

Oct 2012 - Sept 2015

- B.Sc. in Chemical Engineering at the Department of Chemistry.

WORK EXPERIENCE

Soley GmbH

Jun 2016 - May 2017

Working Student in Software Development

Munich, Germany

- Covered 80% of the GrGen.NET graph transformation language syntax by defining the grammar of the ANTLR parser generator.
- Enhanced productivity of over 50 client users by rebuilding the code autocompletion feature within the core product.
- Freed up QA's testing workload of manually triggering code completion by introducing an additional test layer.

Infineon Technologies AG

Mar 2015 - Aug 2015

Working Student in R&D

Neubiberg, Germany

- Improved the efficiency of a team of 10 engineers by implementing and launching a Matlab app for automated analysis and interpretation of results on electro-static discharge stress tests on microcircuits.

PROJECTS

La Calculadora Malvada (Android Security Lab)

Jan 2018 - Feb 2018

- Reverse-engineered and piggybacked an Android calculator app from Google Play Store by injecting a hook and payload code that collects the user's contacts and sends them to a remote server.

Randomized Kinodynamic Planning (Autonomous Driving Seminar)

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 (Student Council Project Work)

Mar 2017 - Apr 2017

- Implemented and released the Verleihtool web app for the departmental student council using the Django framework for management and rental of equipment owned by the student council to be accessed and used across the campus and all student bodies.

SKILLS

Languages

Java, Python, C#.NET, C, JavaScript, Matlab, SQL

Web

Django, Node.js

Tools / Frameworks

Git, Unix bash shell, Android SDK, Docker

EXTRACURRICULAR ACTIVITIES

TUM: Departmental Student Council of MPI

Jul 2016 - PRESENT

Head of SET division

Munich, Germany

- Supervising the organization of the freshmen orientation days 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.