

STEFAN SU

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EDUCATION

Technical University of Munich

Oct '15 - Present

- Acquired B.Sc. in Informatics at the Department of Informatics.
- First year M.Sc. candidate in Informatics at the Department of Informatics (expected graduation year: 2020).
- Anticip. focus areas: Machine Learning & Data Analysis, Distributed Systems, Software Engineering

WORK EXPERIENCE

Soley GmbH

Jun '16 - May '17

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 with .NET-Framework and C#.
- Freed up QA's testing workload of manually triggering code completion by introducing an additional test layer.

Infineon Technologies AG

Mar '15 - Aug '15

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

Correlating YouTube QoE with Content Delivery Paths (Bachelor's Thesis)

Mar '18 - Jul '18

- Connected video streaming performance metrics with content delivery path information by enhancing and analyzing year-long longitudinal active measurement datasets.
- Extending the studies in the scope of a Guided Research with the objective to contribute to the research community by publishing significant results.

Distributed Hash Table Module (P2PSEC Project Work)

Apr '18 - Jul '18

- Implemented a peer-to-peer storage module based on the distributed hash table protocol "Chord" using Rust.
- Designed module architecture, protocol message formats and implemented request handling for peers.

Randomized Kinodynamic Planning (Seminar, Student Research Assistant)

May '17 - Dec '17

- Designed and implemented a motion planning algorithm for autonomous vehicles in Python based on a Single-RRT algorithm to demonstrate a simulation framework developed by the IN6 research group.

Verleihtool (Student Council Project Work)

Mar '17 - Apr '17

- Implemented and released a full-stack web app using Django to enable management and rental of equipment owned by the student council for access and usage across the campus and all student bodies.

EXTRACURRICULAR ACTIVITIES

TUM: Departmental Student Council of MPI

Jul '16 - Oct '18

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 '16 - Apr '17

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.