

# STEFAN SU

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## EDUCATION

### Technical University of Munich

Oct '15 - Present

- Acquired B.Sc. in Informatics at the Department of Informatics.
- M.Sc. candidate in Informatics at the Department of Informatics (expected graduation year: 2021).
- Focus areas: Machine Learning & Analytics, Software Engineering

## WORK EXPERIENCE

### JetBrains GmbH

*Software Engineering Intern, AppCode Team*

Mar '19 - Jul '19

*Munich, Germany*

- Improved Objective-C method statement code completion.
- Implemented UML class diagram support for Objective-C source code files and packages.

### Soley GmbH

*Working Student in Software Development*

Jun '16 - May '17

*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 completion 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

*Working Student in R&D*

Mar '15 - Aug '15

*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.
- Gained insights into performance and content caching effect discrepancies between IPv4 and IPv6.

### 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 API request handling for peers.

### 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

*Head of SET division*

Jul '16 - Oct '18

*Munich, Germany*

- Supervised and managed a team of 15 core associates and 100 student tutors for the organization of the freshmen orientation days of the faculty at the beginning of each term.

### TUM: Junge Akademie - Buddies for Refugees Program

*Buddy for Program Attendee*

Sept '16 - Apr '17

*Munich, Germany*

- Achieved recognition of high school diploma of former Mathematics student refugee from Syria to meet the formal requirements for an undergraduate degree admission at an officially recognized university in Germany.