

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.

Technical University of Munich

Oct '12 - Sept '15

- Acquired B.Sc. in Chemical Engineering at the Department of Chemistry.
- Thesis topic: Researched, tested and assessed the wettability of different catalyst carrier materials to maximize the yield of a Dodecahydro-N-ethylcarbazole dehydrogenation reaction for sustainable hydrogen transport and regeneration.

Gymnasium Neubiberg

Sept '05 - Aug '12

- Scientific and technical branch (A-Level Subjects: German, English, Mathematics, Chemistry, Geography).

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 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

Working Student

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.

Technische Universität München

Student Research Assistant

Jul '13 - Oct '13

Munich, Germany

- Supported a Ph.D. student at the Bioseparation Engineering Group with batch synthesis and processing of magnetite nanoparticles and performed contact angle measurements with a tensiometer based on the Washburn capillary rise technique.

futureblech AG

Intern

Aug '12

Hohenbrunn, Germany

- Assisted with cutting and non-cutting manufacturing and quality assurance.

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.

La Calculadora Malvada (Android Security Lab)

Jan '18 - Feb '18

- 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 '17 - Aug '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

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 Department of Informatics

MINGA Student Mentor

Aug '16 - Apr '17

Garching b. München, Germany

- Welcomed international degree and exchange students and provided support and advice with living and studying in Munich.
- Organized and coordinated a one-day hike around Schliersee for all participants.

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.

INTERESTS

Hiking, Yoga, Ethnic Cuisines, Reading (latest: *Memoirs of a Geisha* by A. Golden), Music (Piano, Guitar, Vocals)