

STEFAN SU

✉ soupwaylee@gmail.com · in stfnsu

EDUCATION

Technische Universität München, Germany

Oct 2015 - Present

3rd year B.Sc. in Informatics at the Department of Informatics.

Technische Universität München, Germany

Oct 2012 - Sept 2015

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

Bachelor's Thesis at the Chair of Thermodynamics.

Thesis topic: Researched, tested and assessed the wettability of different catalyst carrier materials to maximize the yield of a Dodecahydro-N-ethylcarbazole dehydrogenation reaction to sustainably generate hydrogen.

Gymnasium Neubiberg, Germany

Sept 2004 - Jul 2012

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

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

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

Jul 2013 - Oct 2013

Student Research Assistant

Garching b. München, 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

Aug 2012

Intern

Hohenbrunn, Germany

- Assisted with cutting and non-cutting manufacturing and worked in the quality assurance section.

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
<i>Head of SET division</i>	<i>Munich, Germany</i>

- Supervising the organization of the freshmen orientation days of the faculty at the beginning of each term.

TUM Department of Informatics	Aug 2016 - Apr 2017
<i>MINGA Student Mentor</i>	<i>Garching b. München, Germany</i>

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

TUM: Junge Akademie - Buddies for Refugees Program	Sept 2016 - Apr 2017
<i>Buddy for Program Attendee</i>	<i>Munich, Germany</i>

- 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.

INTERESTS

Basketball, Hiking, Skiing, Cookery & Cuisine, Reading (latest: Born a Crime: Stories from a South African Childhood by Trevor Noah), Music (Piano, Guitar, Vocals)