

# STEFAN SU

✉ soupwaylee@gmail.com · in stfnisu

## EDUCATION

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### Technische Universität München, Germany

Oct 2015 - Present

2nd 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

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### Soley GmbH

Jun 2016 - May 2017

*Working Student in Software Development*

*Munich, Germany*

- Supporting a team of two software engineers with daily code maintenance.
- Extended the ANTLR parser for the GrGen.NET graph transformation language.
- Improved the functionality of code autocompletion of the IDE to increase productivity of over 50 client users using C# and .NET Framework.

### Infineon Technologies AG

Mar 2015 - Aug 2015

*Working Student*

*Neubiberg, Germany*

- Implemented and improved an UI for analysis and interpretation of Transmission Line Pulse measurement results with MATLAB that improved the efficiency of a team of 10 people.

### 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

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### Randomized Kinodynamic Planning

May 2017 - Aug 2017

- Research and assessment of rapidly exploring random tree (RRT) algorithms for an autonomous road vehicle.
- Implementation of an RRT algorithm in Python utilizing the CommonRoad framework that provides traffic scenarios and vehicle models.

### Verleihtool

Mar 2017 - Apr 2017

- Implemented an inventory web application for the departmental student council using the Django framework.
- Enables categorization, inventory and renting of tools and equipments for various scales of usage and events.

## SKILLS

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### Programming

Java, Python, C#, C, Matlab, OCaml

### Tools

Git, TFVC, SVN, Vim

## EXTRACURRICULAR ACTIVITIES

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### **TUM: Departmental Student Council of MPI**

Jul 2016 - Present

*SET Speaker*

*Munich, Germany*

- Organizing the Bachelor's and Master's freshman study introductory days (SET) for the upcoming terms.
- Managing the tasks for the tutors, handling email traffic and organizational questions and also briefing and coordinating the tutors on-site

### **TUM Department of Informatics**

Aug 2016 - Apr 2017

*MINGA Student Mentor*

*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 day trip to Schliersee for all participants.

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

Sept 2016 - Apr 2017

*Buddy for Program Attendee*

*Munich, Germany*

- The program targets refugees who didn't manage to finish their studies in their country of origin and enables them to attend and complete course modules of their subject and choice.
- Bonding with a former Mathematics student from Syria, providing advice for facing challenges with e.g. studies, living in Munich and the German language.
- Managed to achieve acknowledgement of his high school degree meeting the formal requirements for an undergraduate degree at an officially recognized university in Germany.

## INTERESTS

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