

EDUCATION

Technical University of Munich

October 2021 – September 2024 (expected graduation)

Master of Science in Informatics (Computer Science)

Munich, Germany

• Focus on Software Engineering, Machine Learning, and Distributed Systems

General Visiting Student (Semester abroad)

February 2023 – July 2023

Beijing, China

Co-organized and spoke at PKU's first Exchange Cafe about LLM's and ChatGPT

Technical University of Munich

October 2017 - June 2021

Bachelor of Science in Informatics (Computer Science)

Munich, Germany

• Minor: Economics | Bachelor Thesis: "How to Build on Top of an Existing Software-System"

EXPERIENCE & INTERNSHIPS

Peking University

October 2023 - Present Weavs GmbH

Software Engineer (Working Student)

Dornbirn, Austria

Development of Citymonitor, an IoT SaaS platform for smart cities using Elixir and Phoenix

Technical University of Munich, Digital Health Group

October 2021 – March 2023

Software Engineer (Academic Assistant)

Munich, Germany

- Development of a navigation iOS app that improves users' fitness and health by supporting multimodal routing
- Improved average route search performance by over 50%

ALEAS AG July 2019 - March 2023

Software Engineer (Working Student)

Ruggel, Liechtenstein / Hybrid

- Full stack web application development with .NET for internal and user-facing software with 2500+ active users
- Development of a cross-platform team-challenge app with React Native and the Firebase platform

Tesla, Inc. March 2021 – April 2021

Logistics Software System Configuration (Internship)

Grünheide, Germany

- Initial configuration of the material flow software system for intralogistics at the Tesla Giga Berlin factory
- Requirements engineering and architectural conception based on exchange with material flow planners

Projects & Expertise

Ferienakademie 2022 – "Decentralized Decision Making" | Swift, SwiftUI, MQTT/Coaty September 2022

- Research summer school in cooperation with Siemens for selected students aimed at exploring innovative ideas
- Development of a self-organized robot delivery system with focus on decentralized decision making

Swift Tutor | Swift, SwiftUI, UIKit, Vapor, UML

2020, 2022

• Taught iOS development to 70 students at the Swift bootcamp of the practical university course 'iPraktikum'

TUM Campus App Contributions | Swift, SwiftUI, WidgetKit, REST

• Extension of the open source TUM Campus app with daily meal plan iOS homescreen widgets for 10+ cantinas

Extracurricular Experience & Awards

hackaTUM 2022 & 2023 Overall Winner

November 2022, November 2023

- Overall winner of hackaTUM 2022 & 2023, one of EU's biggest hackathons, out of 220 teams (800+ participants)
- 1st place in the 'City of Munich' 2023 challenge (14 teams) and 2nd place in the 'Sixt' 2022 challenge (20 teams)

MINGA Mentor

August 2022 – February 2023

• Mentor for incoming exchange students to guide them during their time in Munich and at TUM

SKILLS

Languages: German, English (C1), Chinese (HSK1) Programming Languages: Swift, Elixir, Java, Go

Frameworks & Tools: SwiftUI, Phoenix, Coaty (MQTT), Firebase, Docker, Git, VS Code, XCode