

EDUCATION

Technical University of Munich

October 2021 – July 2024 (expected graduation)

Master of Science in Informatics (Computer Science)

Munich, Germany

• Focus on Software Engineering, Machine Learning and Distributed Systems

February 2023 – July 2023

General Visiting Student (Semester abroad)

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

ALEAS AG

July 2019 - Present

Software Engineer (Working Student)

Ruggel. Liechtenstein

- 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

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 perfromance by over 50%

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

encore. App | Swift, SwiftUI, $Spotify\ SDK$, REST

May 2020 – Present

- Development of an iOS app that allows users create music parties with friends
- Participants of a party can add and vote for songs in a shared music queue

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

- Research summer school in cooparation 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

MINGA Mentor

August 2022 – February 2023

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

hackaTUM 2022 & 2023 Overall Winner

November 2022, 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)

SKILLS

Languages: German, English (C1), Chinese (HSK1)

Programming Languages: Swift, Java, TypeScript, Go

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