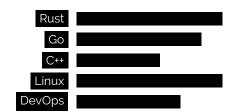






## WHO AM I?

While having a wide range of interests, one constant interest of mine is computer science. Whether theoretical computer science, algorithms or software engineering, I am always prone to getting nerd-sniped within minutes of listening to ramblings about a new topic.



## **EXPERIENCE**

01/23 – now Software Engineer at IBM Quantum

Working Student IBM Germany Research & Development GmbH

As part of the Qiskit Runtime team, I worked on developing the classical runtime environment of

quantum computers.

Go / Kubernetes / Containers / Linux

03/22 - 12/22 Software Engineer at IBM Data & Al

Intern and Working Student IBM Germany Research & Development GmbH

During my internship, I worked on an open source CLI that allowed deploying our product on kubernetes clusters. After the internship, I maintained clusters and worked on Watson Knowledge

Catalog.

kubernetes / python / java

03/21 - 02/22 Computer Science and Mathematics Tutor

Stuttgart Media University

I tutored students in software development I and applied mathematics.

java / linux / probability theory

## **PROJECTS**

2024 Ship Routing University of Stuttgart

This project required the implementation and optimization of street routing algorithms while applied to ship-routing on the sea. I chose to implement the graph generation using quad-trees and the routing using a combination of contraction hierarchies and hub labels.

Rust / Algorithms / Theoretical Computer Science

2022 - now Lurk - A (pretty) Simple Alternative to strace

Open Source

The goal of this project was to develop a refined version of strace that allows parsing output via jq while, instead of strace, formatting the output in a human-readable form.

Rust / SystemsProgramming / OpenSource

2023 **Development of Green Guardian** 

Stuttgart Media University

This project was part of a course about embedded software-development for cloud computing, implemented utilizing AWS services. My responsibilities included designing the system architecture, provisioning infrastructure using Terraform, as well as setting up CI/CD pipelines.

aws / terraform / go / arduino nano / mqtt

**EDUCATION** 

2023 – 2025 Master of Science: Computer Science

University of Stuttgart

Algorithms, Distributed Systems, Embedded Systems

2020 - 2023 Bachelor of Science: Computer Science and Media Stuttgart Media University

Distributed Systems, Data Mining, Software Development, Design Patterns

2019-2019

**Bachelor of Science: Physics** 

Linear Algebra, Analysis, Experimental Physics

**University of Stuttgart** 

LANGUAGES

**HOBBIES** 

**INTERESTS** 

**German** - native **English** - C2

cooking, baking, reading, writing, learning, sports

Linux, Rust, Go, neovim, fountain pens, physics, algorithms