

Tim Kräuter

PH.D. CANDIDATE · MASTER OF SCIENCE · SOFTWARE ENGINEER

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Education

Ph.D. in Computer Science (anticipated completion October 2024)

Bergen, Norway

WESTERN NORWAY UNIVERSITY OF APPLIED SCIENCES

Oct. 2020 - Present

- I am working as a Ph.D. research fellow in multi-model driven software engineering. I focus on coordinating multiple heterogeneous behavioral models describing different aspects of one system. This can be used for model-checking or simulation of the composite system.

Master of Science in Information Engineering

Hanover, Germany

FHDW HANOVER

Oct. 2018 - Apr. 2020

- GPA: 4.0/4.0, Grade A
- Studying while working as a Software Engineer at SET GmbH.
- Thesis: Entwicklung einer Semantik zur Ausführung von Produktionsabläufen für das Produktionsmanagement der SET GmbH (Development of semantics for the execution of production processes for the production management of the SET GmbH).

Bachelor of Science in Business Computing

Hanover, Germany

FHDW HANOVER

Oct. 2015 - Oct. 2018

- GPA: 3.7/4.0, Grade A
- Studying while working at VHV-Group.
- Thesis: Konzeption eines Frameworks zum automatisierten Testen von BPMN-Prozessen in der VHV (Conception of a framework for the automated testing of BPMN processes in the VHV).

Skills

Languages German (native), English (fluent), Norwegian (fluent), French (semi-fluent)

Programming Java (Gradle, Maven, Spring), **Typescript & JavaScript** (Angular, Ionic, HTML, CSS, diagram-js, bpmn-js), **Rust**

Programming Concepts Version Control (Git, SVN), **CI/CD**(Jenkins, GitHub Actions), **Agile Development**, **Test-Driven Development**

Experience

SET GmbH

Hanover, Germany

SOFTWARE ENGINEER

Oct. 2018 - Oct. 2020

- I was part of a team redesigning the company's current production management system in Java. Before that, we implemented an Android app for one of our customers as a hybrid app based on web technologies. This app is a vital part of the production processes implemented by the current production management system.

VHV-Group

Hanover, Germany

WORKING STUDENT

Oct. 2015 - Oct. 2018

- Dual course of study while acquiring a bachelor's degree in business computing. I mainly worked on extending the testing framework for our business processes implemented with the camunda BPMN Workflow Engine and automating GUI regression testing with Selenium.

Projects

The Visual Debugger Tool

Bergen, Norway

RESEARCH PROJECT

May. 2021 - PRESENT

- I developed a [tool](#) which visualizes the variables during debugging as an object diagram which has over 9000 downloads.

Smart CoP

Hanover, Germany

PERSONAL PROJECT

Dec. 2019 - PRESENT

- I have developed an app for my hobby, gymnastics, which helps you to calculate your difficulty score for your exercise. It can be downloaded in the [Google Play Store](#) or used as a [progressive web app](#). Currently, there are about 100 gymnasts who use the app.

Hobbies & Interests

Gymnastics

Hanover and Bergen

2004 - PRESENT

- Gymnastics is my key to balance out the mostly cognitive work. I train at least 2-3 times weekly for roughly two hours.
- In my youth, I became a regional champion in Lower Saxony multiple times in the individual competition and as a team. In 2010, I achieved 7th place in the German all-around championships, combining gymnastics and athletics.