

# 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 the field of multi-model driven software engineering. The focus of my project is coordinating multiple possibly 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

**Programming** Java, Gradle, Maven, Typescript, Javascript, Angular, Ionic, HTML, CSS, SVN, Git

**Tools** IntelliJ IDEA, Eclipse, WebStorm

## Experience

### SET GmbH

Hanover, Germany

SOFTWARE ENGINEER

Oct. 2018 - Oct. 2020

- I was part of a team that is redesigning the company's current production management system in Java. Before that, we have implemented an android app for one of our customers as a hybrid app, which is 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 in business computing. I was mainly working on testing business processes implemented with the camunda BPMN Workflow Engine and on 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 nearly 4000 downloads.

### autoD

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 [here](#) or used as a progressive web app [here](#). 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 am training 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, a mix of gymnastics and athletics.