

**Education** 

### Ph.D. in Computer Science (anticipated completion September 2024)

Bergen, Norway

WESTERN NORWAY UNIVERSITY OF APPLIED SCIENCES

Oct. 2020 - Present

• I am working as a Ph.D. student in model-driven software engineering. I research executable models, such as process models and state machines, to find control-flow errors or inconsistencies. As a result, one can find and fix errors early during development, preventing potential significant costs later in the development process.

### **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. The app is a vital part of the production processes implemented by the production management system.

# **Projects**

Rust BPMN Analyzer Bergen, Norway

RESEARCH PROJECT Nov. 2023 - PRESENT

• Timplemented an analyzer in Rust to automatically find, display and fix control-flow errors by exploring all possible states in a BPMN model.

Visual Debugger Bergen, Norway

RESEARCH PROJECT May. 2021 - PRESENT

I developed an IntelliJ IDEA plugin 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 created an Android app and a progressive web app for gymnastics, which automatically calculates the difficulty score for gymnastic routines.

## 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.