

# ROBIN MARC SCHMIDT

## Computer Science Master Student (Machine Learning)

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## WORK & RESEARCH EXPERIENCE

### Research on Deep Learning Optimizers

#### Prof. Dr. Philipp Hennig

📅 October 2019 – December 2019 📍 Tübingen, Germany

- Researched efficient state of the art Deep Learning Optimizers such as RAdam, AdamW or AMSGrad and benchmarked them on different problem sets
- Used the python framework DeepOBS for the benchmarking process to contribute to the overall vision for DeepOBS as a standardized platform for benchmarking

### Extreme Blue Internship

#### IBM: Research & Development

📅 August 2019 – October 2019 📍 Böblingen, Germany

- Researched possibilities for the master data management (MDM) software for Internet of Things (IoT) use cases with a full stack prototype in healthcare
- Developed instance level product master data representations through a RESTful JSON API written in Python
- Developed a graph-based visualisation based on React.js
- Worked closely with offering management in the USA to deploy the obtained results
- Presented the results at a conference in Cluj-Napoca, Romania

### Bachelor thesis

#### ENisco GmbH & Co. KG

📅 June 2018 – September 2018 📍 Böblingen, Germany

- Topic: "Conception and Implementation of a Single Product Tracking in a press-hardening production line" (German grade: **1.4**, approximately equivalent to an "A" grade)

### Research on New SQL Databases



#### Prof. Dr.-Ing. Olaf Herden

📅 October 2017 – June 2018 📍 Horb, Germany

- Title: "New SQL Databases: An evaluation of Open Source New SQL databases for modern application scenarios" (German grade: **1.5**, approximately equivalent to an "A" grade)
- Used the Business Readiness Rating which favored VoltDB as best Open Source New SQL database

### Cooperative Studies: Computer Science



#### Eisenmann SE: Research & Development

📅 October 2015 – October 2018 📍 Böblingen, Germany

- Frequent and extended industry research and development projects on different topics in the field of manufacturing (approximately equivalent to 5 internships with a duration of 3-4 months each)
- Whitepaper Topics include: *Key Performance Indicators, Improvement of the Data Analysis and Single Product Tracking*

## EDUCATION

### M. Sc. Computer Science (120 ECTS)

#### Eberhard-Karls-Universität Tübingen

📅 October 2018 – March 2021

### B. Sc. Computer Science (210 ECTS)

#### DHBW Stuttgart Campus Horb

📅 October 2015 – October 2018

- German final grade: **2.0** (corresponds to a high **2:1** in the UK system)

## TECHNICAL SKILLS

### Technologies

Python, Java, HTML5, CSS3, R, Prolog, JavaScript, C#, SQL, Gremlin

### Databases

MySQL, Oracle, JanusGraph, MongoDB, VoltDB, NuoDB, CockroachDB

### Frameworks & Tools

Flask, React, Version Control, Adobe Suite, Microsoft Office,  $\LaTeX$

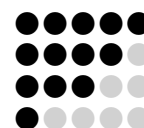
## LANGUAGES

German

English

Latin

Japanese



## PROJECTS

### SiteScrawler



#### Java Web-Development Project

A webapp where users can create topics of interests and the service crawls supported news websites in a customizable time interval and provides the user with relevant articles either per mail or online.

### App2Night



#### Android Development Project

A mobile app where users can create, attend and rate user generated events around their current location to find the best party.