

Robin M. Schmidt

+49 (176) 23348219
robin.schmidt.97@web.de
Robin M. Schmidt
in linkedin.com/in/schmidt-robin
github.com/SirRob1997
robinschmidt.netlify.com

RESEARCH AND WORK EXPERIENCE

Max Planck Institute for Intelligent Systems & University of Tübingen

Oct 2019 – Mar 2020

Research Internship in the Probabilistic Numerics Group of Prof. Dr. Philipp Hennig

[Python, Shell, \LaTeX]

- Benchmarked & Compared state-of-the-art Deep Learning Optimizers using the framework DeepOBS
- Enabled DeepOBS as competitive benchmarking suite by creating new optimization baselines
- Advanced development of DeepOBS and provided scripts for bulk comparisons
- Grade for Credit: **1.0**, approximately equivalent to an “A” grade

IBM Germany Research & Development

Aug 2019 – Oct 2019

Extreme Blue Internship

[Python, Flask, REST, Gremlin]

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

ENisco GmbH & Co. KG

Jun 2018 – Sep 2018

Bachelor Thesis

[Java, SQL, \LaTeX]

- Topic: “*Conceptual design and Implementation of a Single Product Tracking in a press hardening production line*”
- Published under a non-disclosure agreement (NDA) due to customer specific problem specification
- Grade for Credit: **1.4**, approximately equivalent to an “A” grade

Cooperative State University Baden-Württemberg Stuttgart

Oct 2017 – Jun 2018

Research Internship with Prof. Dr.-Ing. Olaf Herden

[Shell, \LaTeX]

- Topic: “*Evaluation of Open Source New SQL databases for modern application scenarios*” ↗
- Compared state-of-the-art NewSQL databases on the categories of the Business Readiness Rating
- Grade for Credit: **1.5**, approximately equivalent to an “A” grade

Eisenmann SE: Research & Development ↗

Oct 2015 – Oct 2018

Cooperative Studies: Computer Science

[Java, JS, HTML, CSS, \LaTeX]

- Research & Development projects in the field of Manufacturing Execution Systems (approximately equivalent to **5 internships with a duration of 3 – 4 months each**)
- Whitepaper topics include but are not limited to “*Selection and Implementation of Key Performance Indicators*” or “*Improvement of the Data Analysis*” (all published under a non-disclosure agreement)

EDUCATION

University of Tübingen | M.Sc. – Computer Science

(Oct 2018 – Present)

Tübingen, Germany

DHBW Stuttgart | B.Sc. – Computer Science

(Oct 2015 – Oct 2018)

Horb, Germany

SKILLS

Languages: German (native), English (business fluent), Latin (small latinum certificate), Japanese (beginner)

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

Frameworks & Tools: Flask, React, TensorFlow, NumPy, Pandas, Version Control, Adobe Suite, Linux, Docker, Kubernetes, Microsoft Office, \LaTeX

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

SELECTED PROJECTS & CONTRIBUTIONS

DeepOBS: Optimization Benchmarking Suite – Contributed Baselines, Scripts and improved Software Quality

App2Night: Location based mobile App to create, comment and rate user generated events to find the best event

SiteScrawler: Webapp to provide users with relevant news articles based on customisable topics of interest

ARXIV SUBMISSIONS

- [1] Robin M. Schmidt. *Recurrent Neural Networks (RNNs): A gentle Introduction and Overview*. 2019. arXiv: 1912.05911 [cs.LG].