

# Manuel M. Huber

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## Education

### University of Applied Science Rosenheim

Rosenheim, Germany

M.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2017 - PRESENT

- Current German Grade: 1.7 (approximate GPA: 3.3), expected graduation: February 2019
- Relevant coursework: Software Quality Assurance, Functional Programming, Machine Learning, Sequence Learning, Reactive Programming, Software Architecture
- Runner-Up in "Business Plans for Start-Ups" contest awarded a 1,000€ cash prize

### University of Applied Science Rosenheim

Rosenheim, Germany

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Oct. 2013 - Mar. 2017

- Final German Grade: 1.5 (approximate GPA: 3.5)
- Relevant coursework: Algorithms and Data Structures, Software Engineering, Distributed Computing, Web Technologies, Web Services, Agile Software Development
- Bachelor Thesis: QAsearch - a cloud native java application for full text search in versioned documents with Solr

## Experience

### Speech Analysis Team, Intel

Munich, Germany

WORKING STUDENT - MACHINE LEARNING RESEARCHER - PYTHON

July 2018 - PRESENT

- Working on a PoC for online speaker diarization based on bidirectional LSTM neural networks
- Created a tool used to simulate over 4,000 hours of 3D audio training data

### BMW MDE-Toolchain, MaibornWolff

Munich, Germany

WORKING STUDENT - FRONTEND DEVELOPER - TYPESCRIPT, ANGULAR

May 2017 - June 2018

- Increased deployment frequency from once a week to multiple times a day by setting up a CI pipeline with GitLab & Docker
- Help product owner define product vision by developing rapid UI prototypes
- Reduced response time of site from over 600ms to under 50ms by debugging & fixing a performance issue

### Aline, University of Applied Science Rosenheim

Rosenheim, Germany

COURSE PROJECT - BACKEND DEVELOPER - JAVA, SPRING BOOT

Sep. 2016 - Mar. 2017

- Built an education management tool currently in production at a company of 300+ employees
- Shipped the MVP on time by organizing the agile process for a team of four
- Designed, developed & documented a RESTful web service with over 90% test coverage

### BMW Connected Drive Portal, QAware

Munich, Germany

WORKING STUDENT - FRONTEND DEVELOPER - TYPESCRIPT, ANGULARJS

Oct. 2015 - Mar. 2017

- Built a web app for BMW customers in over 20 markets worldwide in an agile team of 11
- Developed, maintained & tested complex Angular UI components for the virtual cockpit compatible with browsers down to IE9
- Added static code analysis to our CI pipeline by modifying a Sonarqube plugin
- Consulted the product owner on technical & business aspects of the store 2.0 rework

## Extracurricular Activity

### "Distributed Computing" lecture, University of Applied Science Rosenheim

Rosenheim, Germany

TEACHING ASSISTANT

Mar. 2018 - Oct. 2018

- Taught students the basics of threads, queues, domain driven design and REST
- Reviewed code and gave constructive feedback on improving code quality and architecture

### FostR student club

Rosenheim, Germany

FOUNDER, PRESIDENT

May. 2014 - PRESENT

- Founded & managed a club for (former) CS students to improve their skills through real work experience
- Acquired IT companies as business partners / employers