

Education

03/2018 – 10/2019	Technische Hochschule Nürnberg Georg Simon Ohm <i>Applied Research in Engineering Sciences, M.Sc.</i>
10/2014 – 03/2018	Technische Hochschule Nürnberg Georg Simon Ohm <i>Computer Science, B.Sc.</i>
09/2005 – 07/2008	Martin-Segitz-Schule Fürth <i>Apprenticeship as IT-Specialist</i>
09/2001 – 07/2005	Veit-Stoß-Realschule Nürnberg <i>Intermediate school certificate</i>

Work Experience

03/2018 – Present	Technische Hochschule Nürnberg Georg Simon Ohm Department of Computer Science <i>Research Master Student</i> <ul style="list-style-type: none">▪ Development of digital speech assistant systems for elderly people and those in need of care.▪ Evaluation of state-of-the-art Chatbot and Conversational Interface technologies.▪ Evaluation of Voice User Interfaces for elderly people▪ Development of a Knowledge Graph system for continuous learning from the user's input.▪ Using state-of-the-art Natural Language Processing and Machine Learning technologies for Text Processing and Analytics.
02/2017 – 02/2018	adorsys GmbH & Co. KG <i>Working / Bachelor student</i> <ul style="list-style-type: none">▪ Bachelor thesis: „Design and implementation of an efficient categorization system for bank bookings to create an added value for customers.“▪ Development of a categorization system for bank bookings using Machine Learning with Python and Scikit-learn.▪ Java EE developer (Project: <i>fymio</i>)
09/2016 – 02/2017	adorsys GmbH & Co. KG Department: Enterprise Software Development <i>Student Intern / Software Developer (Full time)</i> <ul style="list-style-type: none">▪ Java EE developer (Project: <i>easyCredit application</i>)▪ Proof of Concept to Consumer-Driven Contracts using <i>Pact</i>▪ Test optimization with JUnit and Mockito

01/2016 – 08/2016

Fraunhofer IIS

Department: Communication Systems

Research Assistant

- Development of a framework extension for simultaneous tracking of RFID tags using Java EE (Project: *Multibeam-Antenna*)

07/2008 – 12/2015

Nürnberger Versicherung

Department: Web Application Systems

System Engineer

- Administration, maintenance and enhancement of the web- and application server infrastructure
- Project management, planning and implementation of new applications and systems
- Administration of the Web Application Firewall
- Development of software tools for automation of administration tasks using Windows PowerShell, Visual Basic Script und Java

07/2008 – 12/2015

Nürnberger Versicherung

Apprenticeship as IT-Specialist

- Administration of the web-/application system infrastructure
- Administration of the windows server infrastructure and network components
- Administration of Enterprise Storage Systems

Skills & Proficiency

Programming Languages:

Python, Java, TypeScript, JavaScript

Technologies

- Data Science & Machine Learning: Pandas, NumPy, Scikit-Learn, Keras, Tensorflow, Jupyter
- Databases: MySQL, Neo4J, MongoDB
- Web & Application server: Apache HTTP Server, Apache Tomcat, JBoss EAP / Wildfly
- NLP and Chatbots: NLTK, spaCy, Genism, Rasa
- Other: Flask, pytest, Git, Spring-Boot, JUnit

Languages

German:

Native Speaker

English:

Advanced Level (C1)

French:

Beginner level

Interests

- Data Science, Machine Learning and Artificial Intelligence
- Natural Language Processing & Understanding
- Sports (Cycling, Climbing, Running)