Curriculum Vitae

Markus Glas

Education

03/2018 – 10/2019	**Technische Hochschule Nürnberg Georg Simon Ohm** *Applied Research in Engineering Sciences, M.Sc.* Current grade: 1.1 (2nd Semester)
10/2014 – 03/2018	**Technische Hochschule Nürnberg Georg Simon Ohm** *Computer Science, B.Sc.* Final grade: 2.3
09/2005 – 07/2008	**Martin-Segitz-Schule Fürth** *Apprenticeship as IT-Specialist* Final grade: 2.2
09/2001 – 07/2005	**Veit-Stoß-Realschule Nürnberg** *Intermediate school certificate*

Work Experience

03/2018 – Present

Technische Hochschule Nürnberg Georg Simon Ohm
Department of Computer Science
Research Master Student
- 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
Working / Bachelor student
- 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: *fymio*)

09/2016 – 02/2017

adorsys GmbH & Co. KG
Department: Enterprise Software Development
Student Intern / Software Developer (Full time)
- Java EE developer (Project: *easyCredit application*)
- Proof of Concept to Consumer-Driven Contracts using *Pact*
- 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
- Date Science &   Pandas, NumPy, Scikit-Learn, Keras, Tensorflow, Jupyter
  Machine Learning:
- Databases: MySQL, Neo4J, MongoDB
- Web &   Apache HTTP Server, Apache Tomcat, JBoss EAP / Wildfly
  Application server:
- 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
- Software Engineering and Crafting
- Sports (Cycling, Climbing, Running)