

ANDREAS SCHARNETZKI

Computer Scientist

Personal Info

Address

Berlin

Phone

E-Mail

GitHub

github.com/AndreasScharnetzki

LinkedIn

linkedin.com/in/ai-andreas

Xing

xing.to/ai-andreas

Interests

Modular Synthesizer, Coffee

WORK EXPERIENCE

Junior Data Engineer

Helios IT Service GmbH

05/2022 - present

- Conceptualized and implemented multi-layered ETL-pipelines to process health data from different hospital information systems, enabling stakeholders to perform medical studies on a cross-institutional platform

- Designed algorithms in an agile, test-driven environment to automate the preprocessing of raw data on a Hadoop Distributed File System

- Maintained and improved the existing code infrastructures robustness by writing unit and integration tests, data generators and generification of existing methods

- Performed data analysis to ensure completeness and quality of data to be stored in datalake

Intern

Fraunhofer Institut für offene Kommunikationssysteme FOKUS

11/2021 - 01/2022

- Corpus creation

- Development, training and optimization of an LSTM model to perform hyphenation on german words, including compound nouns

Work & Travel

Toronto, Canada

04/2017 - 08/2017

Phyiotherapist

Various, Berlin

09/2013 - 11/2021

- Worked in +100 medical facilities all across Berlin

EDUCATION

Bachelor in Applied Computer Science (1.8)

Hochschule für Technik und Wirtschaft - HTW Berlin

10/2018 - 02/2022

- Thesis: "Emotion Classification by Paraverbal Speech Analysis using a Convolutional Neural Network"

TECHNICAL SKILLS

Tools

Airflow, Hadoop, HBase, Hive, Hue, PostgreSQL, PySpark, GitLab, Cloudera Workbench, Jupyter Notebook

Languages

Python, Java, C#, Scala, SQL, HTML, CSS

Frameworks/Libraries

Mockito, Pandas, Librosa, Gensim, SpaCy, NumPy, Scikit-learn, Spark NLP, PyTorch, TensorFlow, Keras

ADDITIONAL SKILLS

- Multimedia editing (Audio, Photo, Graphic, Video, 3D-Modelling) using *REAPER*, *AdobeIllustrator*, *LightRoom*, *PhotoShop*, *Blender*