MARK KÖRNER

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EXPERIENCE

Data Consultant
📅 Nov 2020 – today
9 friendly white rabbits
⚲ Berlin, DE

- Completed several Data Analytics, Data Engineering, Data Science and web tracking projects for clients such as mobile.de, eBay Kleinanzeigen & Siematic
- Designed and implemented classification models for web tracking anomaly detection and customer conversion likelihood in a client's online sales funnel
- Originated a data transformation technique which helped more accurately quantify and visualize the effect of a product feature to be communicated in a Marketing campaign
- Planned and carried out several ad-hoc analyses informing core pricing and packaging decisions
- Structured and implemented data modelling of and visualizations for internal dashboards to increase accessibility of information and automate recurring data needs

(Student) Consultant Data & Analytics
📅 Oct 2019 – May 2020
KPMG Lighthouse
⚲ Bremen, DE

- Developed several financial valuation SaaS solutions for calculations like the pre-deal Purchase Price Allocation (PPA) on the KPMG Sofy Analytics platform
- Assumed a leadership role in an agile team setting while working on front- and back-end development in T-SQL, Javascript, HTML & CSS
- Closely worked with stakeholders to prioritize solutions and complete implementation of both projects prior to my departure

Data Science Intern
📅 Jun 2019 – Aug 2019
Next Kraftwerke
⚲ Cologne, DE

- Developed a scalable live forecasting framework for photovoltaic plants with an emphasis on accuracy and stability for multi-period predictions
- Implemented a uniform solution for a majority of the individual plants in the company's portfolio
- Proposed a storage solution for multi-period forecasts which was implemented post internship

Data Analyst Intern
📅 Jun 2017 – Aug 2017
Next Kraftwerke
⚲ Cologne, Germany

- Analyzed the efficiency and profitability of current assets and product offerings to suggest possible strategic improvements to the current portfolio
- Developed several machine learning models in Python to estimate wind power generation in Germany and reported findings to the Head of Energy Trading

EDUCATION

M.Sc. Data Engineering
📅 Aug 2018 – Aug 2020
Jacobs University
⚲ Bremen, Germany

GPA: 1.32, Computer Science Track
Thesis: Graph Representation Learning for Cyber Threat Intelligence
Coursework: Machine Learning, Data Analytics, Data Mining, Big Databases and Cloud Services, Data Visualization & Image Processing

B.Sc. Business Administration
📅 Aug 2014 – May 2018
Babson College
⚲ Wellesley, MA, USA

Concentrations in Business Analytics and Quantitative Methods

PROJECTS

Master's Thesis

- Created graphs from semi-structured multi-source data to assess similarity of several CTI entities
- Utilized skip-gram and auto-encoder graph neural networks to calculate entity similarity from node and sub-graph embeddings

Iron Mining Production Quality

- Experimented with several modelling and preprocessing techniques published in a Kaggle notebook in order to predict impurity in an iron ore mining process

Bremen Big Data Challenge

- Developed a 95%+ accuracy classification model for different human movements based on sensor data

SKILLS

Beginner - Intermediate - Proficient

Technical

SQL	●●●
Python	●●●
pandas	●●●
scikit-learn	●●●
matplotlib/seaborn	●●●
Tensorflow/Keras	●●○
R	●●○

Software

Tableau	●●●
GitHub	●●●
dbt	●●●
Google Analytics	●●●
Google Data Studio	●●●
Google Cloud Platform	●●●
Google Dataflow	●●○
Airflow	●●○
Azure DevOps	●○○

LANGUAGES

German	Native
English	Native
Spanish	Beginner