

MARK KÖRNER

Graduate Student

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EDUCATION

M.Sc. Data Engineering

📅 Aug 2018 – To Date

Jacobs University

📍 Bremen, Germany

GPA: 1.26 (US: 3.74)

Computer Science Track

Thesis Topic: 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

GPA: 1.74 (US: 3.26)

Concentrations in Business Analytics and Quantitative Methods

EXPERIENCE

Consultant - Working Student

📅 Oct 2019 – Present

KPMG Lighthouse - Data & Analytics

📍 Bremen, Germany

- Developing a financial valuation SaaS solution for the pre-deal Purchase Price Allocation (PPA) calculation on the KPMG Sofy Analytics platform
- Working on front- and back-end development in T-SQL, Javascript, HTML & CSS in an agile team environment

Data Science Intern

📅 June 2019 – Aug 2019

Next Kraftwerke

📍 Cologne, Germany

- Developed a scalable live forecasting framework for PV plants with a focus on accuracy and stability for multi-period predictions
- Implemented a uniform solution for a majority of the individual plants in the company's portfolio

Quantitative Methods Tutor

📅 Sept 2016 – May 2018

Babson Math Resource Center

📍 Wellesley, MA, USA

- Assisted students with their work in introductory and mid-level statistics courses
- Communicated statistical concepts to students in a concise and simplified manner to strengthen their understanding

Data Analytics Intern

📅 June 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

MCFE Student Consultant

📅 Jan 2017 – May 2017

SV Post Horn

📍 Wellesley, MA, USA

- Communicated with the Austrian football club in order to identify opportunities to increase ROI in the areas of branding, sponsorship and ticket revenue
- Recommended research-based strategic improvements to the client leading to improved performance in the following season

RELEVANT PROJECTS

Bremen Big Data Challenge

Data Mining

📅 March 2019

- Participated in a Machine Learning competition for Human Activity Recognition from sensor data
- Reached 95%+ classification accuracy for the 22 distinct movements using Random Forests and Convolutional Neural Networks

Massachusetts Employment Analysis

Time Series and Forecasting

📅 April 2018

- Utilized ARIMA modelling and forecasting of monthly employment in the Real Estate and Accounting Sectors in Massachusetts
- Developed an R Shiny app displaying the results and allowing for customization

SKILLS

VERY GOOD

Python SQL GitHub Microsoft Suite

GOOD

R Azure DevOps Tableau Javascript
HTML & CSS LaTeX

BASIC

Minitab Matlab Gephi Mozenda
Google Analytics

LEADERSHIP

Event Coordinator

JU Graduate Student Association

Responsible for organizing Orientation Week as well as other periodic social events and meetups

Vice President

Babson Mens Club Basketball

Coach, Team Manager and Player

LANGUAGES

German	Native
English	Native
Spanish	A1