



MARK KÖRNER



Graduate Student

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EDUCATION



M.Sc. Data Engineering  Aug 2018 – To Date
Jacobs University  Bremen, Germany
Computer Science Track
GPA: 1.26 (US: 3.74)
Thesis Topic: Graph Representation Learning for Cyber Threat Intelligence
Relevant 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
GPA: 1.74 (US: 3.26)



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

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
- Implementing a unified 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
- Prepared and delivered written and oral reports to the client to recommend research-based strategic decisions

COURSE 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







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

SKILLS

Python 
SQL 
R 

 GitHub  Tableau  Microsoft Suite
 Javascript  HTML & CSS  LaTeX

LANGUAGES

German 
English 
Spanish 