# 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: 1.36
Relevant Coursework: Machine Learning, Data Analytics, Data Mining, Big Databases and Cloud Services

### 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

### Working Student
📅 June 2019 – Present

**KPMG Lighthouse**
📍 Bremen, Germany

- Part-time working student at KPMG Lighthouse Center of Excellence for Data & Analytics

### Data Analytics Intern
📅 June 2019 – August 2019

**Next Kraftwerke**
📍 Cologne, Germany

- Developing live forecasting capabilities 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 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
**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**    ●●●●○
**R**    ●●●○○
**Tableau**    ●●●○○
**SQL**    ●●○○○

Microsoft Suite    LaTeX    HTML    CSS

## LANGUAGES

**German**    ●●●●●
**English**    ●●●●●
**Spanish**    ●●○○○