



MARK KÖRNER



Graduate Student

 21.10.1994  Ginsterweg 3, 50858 Cologne  Cologne, Germany  +49 151-17438006
 mark.c.koerner@gmail.com  linkedin.com/in/mark-koerner  github.com/markckoerner





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  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

Data Analytics Intern  June 2019 – Present
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

Market Research Assistant  May 2016 – June 2016
Technology Market Insights  Newton, MA, USA

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 Mozenda

LANGUAGES

German 
English 
Spanish 

- Assisted CEO in analyzing customer survey data by highlighting data patterns and trends using Excel
- Created reports for CEO to present in client meetings containing data-driven insights and solution proposals