Henrieke Baunack

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EDUCATION

UC Berkeley, Berkeley, California, GPA: 4.00   05/2020
Master of Engineering in Industrial Engineering and Operations Research, Focus in Data Science
Coursework (among others): Applications in Data Analysis, Information Visualization and Presentation, Introduction to AI

Technical University Brunswick, Brunswick, Germany, GPA: 3.89   09/2018
Bachelor of Science in Industrial Engineering (summa cum laude), Focus in Automation and Logistics

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SCHOLARSHIPS AND AWARDS

German Academic Exchange Service, financial scholarship for graduate studies   08/2019 – 05/2020
- Competing against hundreds of applicants I got one out of 60 scholarships to study in the United States.

Fulbright Scholarship, „Leaders in Entrepreneurship" program   03/2017
- Spent 3 weeks at the Louisiana State University, taking classes in entrepreneurship, sales and finance
- Engaged in the cultural exchange via spending time with our American buddies, talking to students who were interested in studying in German in addition to visits of places like the National WWII museum

First Place at the Start-Up Weekend, Baton Rouge   03/2017
- Pitched the idea of a life saving device for motorcyclists, that would call 911 in case of accident and was able to recruit 5 people to work on it for the following 54 hours.
- Surveyed potential customers at bike shops, created an MVP and convinced the jury and potential investors during the final pitch.

PROFESSIONAL EXPERIENCE

Audi AG, Ingolstadt, Germany   01/2019 – 07/2019
Intern for Operations Research in the Logistics Department
- Developed an Excel Tool to speed up the process of rating suppliers by 50% which immediately resulted in 2,000$ annual savings and the potential to save money in other departments as well.
- Implemented a warehouse location algorithm to determine the optimal location of a handling center, which allowed the project partner to consider locations all over Germany to find the cost optimal region.
- Coded several data readers in Python using packages like NumPy and pandas and created data structures that facilitated the setup of the optimization algorithm.

T-Systems International GmbH, Wolfsburg, Germany   10/2018 – 12/2018
Intern in Software Development
- Troubleshooted frontend and backend programs, finding and reporting more than 3 bugs a day.
- Implemented a website for practice using angular, mongo DB and mongoose
- Taking part in weekly sprint meetings and working collaboratively using agile software development tools like Jira and Subversion.

StudING Braunschweig GmbH, Braunschweig, Germany   10/2017 – 09/2018
Manager and head of Human Resources
- Spread the company's vision to visiting scholars and recruited 25 new members
- Organized seven hard and soft skill workshops with alumni and industry partners with a total of 100 people.
- Initiated the establishment of a members' knowledge database to improve the acquisition of new projects by surveying over 80 members.

ADDITIONAL EXPERIENCE

Project Manager of an industry-based Capstone project at UC Berkeley   09/2019 – 05/2020
- Investigating relationships between doctors' behavior during patient visits and the patients' health using machine learning algorithms like random forest and neural nets in Python.
- Cleaning and organizing data from 33 tables of a SQL database with a total of 180,000 rows.

Visualization Engineer for a team project at UC Berkeley   01/2020 – 05/2020
- Analyzing and visualizing worldwide funding trends using data visualization tools like Tableau and D3.
- Using Python for data cleaning and web crawling to accelerate the visualization process.
- Publishing our visualization on a website built with html and CSS.

Technical Skills: Python, R, Gurobi, Cplex, VBA Excel, Tableau, LaTeX, Angular, MongoDB, VBA Word, SQL, D3, JavaScript, Git
Languages: German, native; English, fluent; Spanish, beginner