Henrieke Baunack

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Portfolio: https://henny2.github.io/portfolio/

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

PROFESSIONAL EXPERIENCE

Audi AG, Ingolstadt, Germany   02/2019 – 08/2019
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.

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.
- Established a members' knowledge database to improve the acquisition of new projects by surveying over 80 members.

ADDITIONAL EXPERIENCE

MakeoverMonday participant (Tableau social project)   05/2020 – present
- Redesigning visualizations weekly, using Tableau & Figma, to create better visualizations and improve my personal design skills.
- Giving and receiving feedback as part of the MakeoverMonday community on twitter.

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

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

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, spending time with our American buddies, talking to students and visiting museums.

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 during the final pitch.

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