Simon **Thornewill von Essen**

DATA SCIENTIST

Bonn area, Germany

[mobile] | [email] | datasciencedemonstrated.com | sthornewillve | sthornewillve

January 23, 2018

INTERNATIONAL BUSINESS MACHINES (IBM) CORP.

GUSTAV-HEINEMANN-UFER 120

KÖLN 50968

RE: Job Application for Associate Data Scientist - Machine Learning

Dear Recruitment Team,

About Me

As a data scientist, my mission is to solve business problems by using machine learning techniques and communicating the methods/results clearly to technical and non-technical stakeholders. I am committed to life-long learning and curiosity to continue my growth in a constantly shifting field.

Why am I applying at IBM and how can I help?

I would be overjoyed to work at IBM because I am actively seeking out experienced data scientists to collaborate and expand my knowledge with. I am also very interested in work environments that promote collaboration and gaining varied experience in different industries. Exposure to a range of business problems will lead me to grow substantially as a data scientist, which is why I am applying for this position.

During my nanodegree with Udacity, I did a project where I performed an AB-test on e-commerse data using python. I simulated the predicted outcome under a null-hypothesis and compared the difference between the real data and calculated the probability of this outcome (p-value). I compared these with a logistic regression and found that both of these models predicted that the change was likely the result of random chance. If this project had been done in a business setting then this would have the potential to prevent a poor design choice being made to the company website.

During my internship at DPDHL, I wrote an Invoice/Order matching algorithm with python. Challenges accompanying this project was finding keywords and associations between words and ranked the best possible matches so that a human could quickly choose the correct decision. The algorithm is currently in production and makes the matching process more efficient. This shows that I am not only able to tackle large problems but I am also able to implement and explain the use of these tools so they can be used in my absence.

Conclusion

In short, I believe I would make an excellent candidate for this position because I have experience in tackling complex problems using the tools that would be required for this position. I have practical experience analyzing data using machine learning in both Python and R and presenting these findings to others.

Thank you for reading my application and considering me for the position or any other position you think would be suitable. I currently have flexible availability for interview scheduling and genuinely look forward to future communication. I can be reached via the contact information or situated in the header email anytime. LinkedIn or email works best to arrange a call. I wish you and your co-workers at IBM the best in your endeavours for the future.

Sincerely,

Simon Thornewill von Essen