

Simon Thornewill von Essen

DATA SCIENTIST

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Overview

ABOUT ME

Excited to solve **business problems** by using data science techniques and communicating methods/results **clearly** to stakeholders using experience gained though five years studying as a chemist at university. Committed to **life-long learning** and **curiosity** to keep updated with the state of the art in a constantly shifting field.

SKILLS

- Programming** Python, R, Java, SQL, Hadoop, Spark, Tableau
Machine Learning Regression, Classification, Clustering, Dimensionality Reduction, Deep Learning
Science Experimental Design, Statistics, Data Analysis, Reviewing Literature
Languages English (Mother Tongue), German (Fluent)

Education

Data Analysis Nanodegree

[udacity.com](#)

UDACITY

Oct. 2017 - Exp. Feb. 2018

- Used **Python** and **R** to import data, perform calculations using industry standard packages. (Python: Matplotlib, Pandas, Numpy. R: Dplyr, Ggplot2)
- Analyzed **real-world data sets**, required substantial **wrangling**.
- Learned how to write **SQL** queries including **joins, subqueries and aggregation**.
- Created visualisations for data story-telling using **Tableau**.

Master of Chemistry (M. Chem)

[Edinburgh, Scotland](#)

THE UNIVERSITY OF EDINBURGH

Sep. 2012 - May. 2017

- Researched sustainable organometallic-chemistry, involved **designing experiments** and **drawing conclusions** from evidence.
- Presented findings of research in various **presentations to groups of 5 to 150 people**.
- Reviewed literature to quickly understand the state of the art on various topics and find gaps to for futher investigation.

Experience

Data Science Internship

[Bonn, Germany](#)

DEUTSCHE POST DHL

June. 2016 - August. 2016

- Wrote a Python script for the automation of invoice/order matching, projected to save the company roughly **€7,000**.
- Explained how and why to use script with multiple co-workers in various presentations and shared it so that others could use it.
- Assisted in a proof of concept for **data lake** and data catalogue implementation. (Big Data)

Independent Learning

Machine Learning A-Z

[udemy.com](#)

UDEMY

Sep. 2017 - Oct 2017

- Learned how to use **machine learning** models (Regression, Classification, Clustering, Dimensionality Reduction, Deep Learning, etc.)
- Learned how to use these algorithms in **both R** and **Python** (R: caret, h2o. Python: sklearn, scipy, tensorflow, keras)
- Used these techniques on data and assessed their performance using **cross-validation** and **confusion matrices**.

PRINCE2 Foundation

[Edinburgh, United Kingdom](#)

THE KNOWLEDGE ACADEMY

Apr. 2016 - Apr. 2016

- Gained an understanding of project management to **plan the delivery business products according to an agreed business case**.