

Simon Thornehill von Essen

DATA SCIENTIST

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Overview

OBJECTIVE

Seeking a position at [Company] where I can, [goals], utilizing my [skills].

SKILLS

Science Reviewing Literature, Research Projects, Scientific Writing

Programming Python, R, SQL, Tableau, Hadoop, Spark, Java

Machine Learning Regression, Classification, Clustering, Dimensionality Reduction, Deep Learning, etc.

Languages English (Mother Tongue), German (Fluent)

Other Driver's License (B1), VBA, LaTeX

Education

Master of Chemistry (M. Chem)

THE UNIVERSITY OF EDINBURGH

Edinburgh, Scotland

Sep. 2012 - May. 2017

- Researched sustainable organometallic-chemistry, involved drawing hypotheses and making conclusions from evidence.
- Reviewed literature to quickly understand the state of the art on various topics and find gaps to further investigation.
- Practiced communication through different mediums such as Articles, Posters and Presentations to groups ranging from individuals to lecture theaters.
- Did several outside courses in Philosophy (Ethics and Logic), giving a well grounded base in epistemology.

Data Analysis Nanodegree

UDACITY

udacity.com

Oct. 2017 - Exp. Feb. 2018

- Used Python and R to import dataframes, perform calculations and create visualisations using industry standard packages. (Python: Matplotlib, Pandas, Numpy. R: Dplyr, Ggplot2)
- Practiced data wrangling.
- Performed data analysis on multiple data sets: Bikeshare, Wine, Gapminder data.
- Learned how to write SQL queries including joins, subqueries and aggregation.
- Created visualisations for data story-telling using Tableau.
- Learned Statistics and carried out A-B tests.

Additional Learning

Machine Learning A-Z

udemy.com

UDEMY

Sep. 2017 - Oct 2017

- Learned how to use multiple machine learning models (Regression, Classification, Clustering, Dimensionality Reduction, Deep Learning, etc.)
- Learned how to use these algorithms in R (i.e. Caret, h2o) and Python (sklearn, scipy, tensorflow, theano)
- 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 deliver business products according to an agreed business case.

Experience

Data Science Internship

Bonn, Germany

DEUTSCHE POST DHL

June. 2016 - August. 2016

- Wrote a Python script for the automation of invoice/order matching.
- Assisted in a proof of concept for data lake and data catalogue implementation. (Big Data)
- Conducted a pipeline analysis and suggested areas of interest for future data science projects.
- End Result: Automation yielded projected savings up to €7,200 per year.

Extracurricular Activities

Lead Treasurer

EDINBURGH UNIVERSITY SALSA SOCIETY

Edinburgh

May. 2016 - May. 2017

- Trusted with the responsibility of the society's finances.
- Position required consistent time management and organisation skills in order to keep the ledger updated and accurate.
- Advised society's president and committee on financial decisions.
- Overhauled the documentation system from "pen and paper" to a digital system using Google Docs.

Student Representative

Edinburgh

SCHOOL OF CHEMISTRY

Sep. 2014 - May. 2015

- Communicated feedback from students to the faculty regarding "Environmental Chemistry 2" and "Chemistry 3" courses.
- Practiced distilling information to find the most urgent and important information to relay at meetings.

Welcome Week Volunteer

Edinburgh

EDINBURGH UNIVERSITY STUDENTS' ASSOCIATION

Sep. 2013 - Sep. 2015

- Managed queues, answered questions and gave directions to new students.
- Required a friendly approachable demeanor in addition to quickly understanding and meeting the needs of each approaching student.
- Trained in observation skills to help notice if a student was too shy to ask for help or was clearly in need of assistance.

Fundraiser Organiser

Bonn

BONN INTERNATIONAL SCHOOL

Sep. 2011 - May. 2012

- Organised quiz-night fundraiser where approximately €1,500 was raised for an orphanage in Kenya.
- Developed leadership skills by coordinating many students and assigning tasks according to their individual capabilities.