

# SILAS MEDERER

Aspiring data scientist, well-experienced in Python with Bachelor of Science degree and strong technical background

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www.github.com/sls-mdr



## EXPERIENCES

Trainee: Data Science

neuefische GmbH

Aug 2020 – Present

Hamburg, Germany

Intensive Coding Bootcamp - 540 hours of programming  
Focus: Machine Learning, Neuronal Networks, Data Mining

Webmaster-Team

ARD-aktuell tagesschau.de

July 2019 – Aug 2020

Hamburg, Germany

Continuous improvement for the real-time deployment,  
deployed a dashboard with user traffic from different APIs

Chairman

Studierendenausschuss Universität Hamburg

Mai 2018 – July 2020

Hamburg, Germany

Relaunch AStA homepage

Webmaster CEN Outreach

Universität Hamburg

July 2016 – Aug 2019

Hamburg, Germany

CMS and KMS coaching, web app development (html, JS)

Project planer

Studierendenvertretung Universität Hamburg

June 2017 – May 2018

Hamburg, Germany

Organisation of events under the topics knowledge  
transfer, sustainability and life long learning

## PROGRAMMING SKILLS

EXCERPT

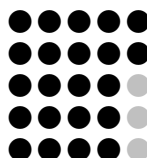
Python: sklearn, tensor flow, keras, scipy

Visualisation: seaborn, matplotlib, plotly

Others: SQL (PostgreSQL), UNIX, html

Tools: Git, Agile methods, AWS, OOP

Topics: NLP, spatial analysis, data wrangling



## LANGUAGES

German

English



## EDUCATION

Universität Hamburg

B. A. Political Sciences

Oct 2019 – Present

Hamburg, Germany

Focus on statistic and quantitative research  
Expected grade=1,9

Philipps-Universität

B. Sc. Geography

Oct 2011 – Sept 15

Marburg, Germany

Focus on human geography, GIS  
Grade=2,4

Berufskolleg Glockenspitze

Fachhochschulreife

Sept 2010 – Aug 11

Krefeld, Germany

Grade=2,4: Technical chemistry

## PROJECTS

TOP 3

Churn prevention at Zeitverlag Hamburg

- As a small group we used different machine learning approaches improve the model at die Zeitverlag. We were able to score higher in recall and F1. To do so we used XGBoost, Random Forest and a unsupervised ANN.

Credit risk analysis Lending Club

- This project was organised as pair project. We used binary classification methods to predict which of the credits would not default. So that buyers could invest in them. The best scores where reached with a Random Forest. We had a recall of 94% and an accuracy of 87%.

Real estate prices King County

- It started as a project, were we should develop an exploitative data analysis, but I was also able to perform a linear regression. So I presented besides some interesting data insights a R2 score of 88%, what I am really proud of.

## VOLUNTARY WORK

- Member of the Central Committee for the Promotion of Young Scientists Uni Hamburg 2019-2020
- Chairman of the Committee on Budgets StuPa Universität Hamburg 2018-2020