

SILAS MEDERER

Aspiring data scientist

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Hamburg

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EDUCATION

Universität Hamburg

B. A. Political Science

Oct 2019 – Present

Hamburg, Germany

Degree Sept 2021: Minor computer science and statistics

Philipps-Universität

B. Sc. Geography

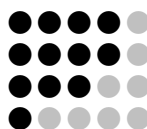
Oct 2011 – Sept 2015

Marburg, Germany

Grade = 2,4: Main emphasis GIS and human geography

SKILLS

Python, Data Science, ML, Analytical Skills
English, AI, Neural Networks, Git, OOP
SQL, html, GIS, Agile Methods, CC
R, Julia, RDBM



EXPERIENCES

Trainee: Data Science

neuefische GmbH

Aug 2020 – Present

Hamburg, Germany

Webmaster-Team

ARD-aktuell tagesschau.de

July 2019 – Aug 2020

Hamburg, Germany

Chairman

Allgemeiner Studierendenausschuss Uni Hamburg

Mai 2018 – July 2020

Hamburg, Germany

Project planer

AStA Uni Hamburg

June 2017 – May 2018

Hamburg, Germany

Webmaster CEN Outreach

Universität Hamburg

July 2016 – Aug 2019

Hamburg, Germany

Intern

Stadt Marburg - Ref Stadt-, Regional- u. Wirtschaftsförderung

Aug 2014 – Sept 2014

Marburg, Germany

PROJECTS

Churn prevention at Zeit Verlag

- As a small group we tried different machine learning approaches to build a better model than the Zeit Verlag is using. We were able to score better in F1, ROC AUC and recall. So our goal was reached. To do so we used supervised methods such as XGBoost, KNN, logistic regression and unsupervised neural network and a convolutional neural network with the base-model BG-NBD.

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 were reached with a Random Forest. We had a recall of 94% and a 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.

On-boarding data scientist talks and q&a

- During the boot camp I had the feeling that I was unable to overview the fields for data scientists to work. I still can not, but I decided to ask the course of some else felt the same and a few did. So I started organising tree talks with professionals on consulting, predictive maintenance and tech communication.

Relaunch Homepage AStA Uni Hamburg

- When I came into office in 2018 the site was very outdated. In the course of my term I managed to integrate the homepage into the CMS of the university and since then it has been managed collaboratively by the university and me.

PUBLICATION

- Geschke, Janis/Mederer, Silas: Migrant_innen in der häuslichen Pflege in Deutschland, Femina Politica, 1-2016, S. 141-144.

HONORS POSITIONS

- Chairman of the Student Board Universität Hamburg 2018-2020
- Member of the Central Committee for the Promotion of Young Scientists Uni Hamburg 2019-2020
- Representative Studierendenparlament Universität Hamburg 2017-2020
- Chairman of the Committee on Budgets Studierendenparlament Universität Hamburg 2018-2020