

# SUKRU HAN SAHIN

Data Science Student

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## ABOUT

An ambitious M.Sc. student in Applied Mathematics and Computer Science, interested in data science. Right now working as a data science intern. Open for full-time jobs after graduation in June, 2021.

## EXPERIENCE



Data Science Intern

Novo Nordisk

**Manufacturing Intelligence: Counting number of people via developing Multi-object Detection & Tracking and Pose Estimation models. (Computer Vision)**

September 2020 – Ongoing    Hillerød, Denmark

**Supply Chain Analytics: Software & Interface development for the optimization of raw material purchasing.**

February 2020 – August 2020    Bagsværd, Denmark



Data Science Intern (Bachelor's Thesis)

Procter & Gamble

**Predicting conversion rate of consumers who live in US and uses P&G reward application. (Machine Learning)**

January 2019 – June 2019    Istanbul, Turkey



Optimization Analyst

Mosek ApS

**Programming convex optimization models for Portfolio Optimization and Flow Interdiction problems in Mosek Fusion API via Python. (Mixed Integer Programming)**

March 2018 – July 2018    Copenhagen, Denmark

## EDUCATION



M.Sc. Human-Centered Artificial Intelligence

Technical University of Denmark

**Thesis: Deep Learning for Image Localization with Drone-based Footage**

August 2019 – June 2021    Lyngby, Denmark



B.Sc. Industrial Engineering

Bogazici University

**Thesis: Predicting Conversion Rate of An FMCG Company's Users for Online Marketing Incentives**  
3.16/4.00 – Honors Degree

September 2015 – June 2019    Istanbul, Turkey

## PROJECTS

[Detecting The Odd-One-Out Among Words With Embeddings](#)

Comparing the performance of different word-embedding models in order to detect the outlier within a small group of words.

- Python, Gensim, FastText, SPARQLWrapper, Sklearn, Wembedder

[github.com/SukruHan/AdvancedMachineLearning](https://github.com/SukruHan/AdvancedMachineLearning)

[Time Series Analysis for Sales Data](#)

Statistical analysis and Time Series models application on Sales Data. Prediction for next window is created.

- Python, Statsmodels, Pmdarima, Scipy

[github.com/SukruHan/Time.Series.Analysis](https://github.com/SukruHan/Time.Series.Analysis)

[Game of Throne Analysis](#)

Network Analysis, Community Detection is executed for characters and houses of show. Text and Sentiment Analysis is conducted with Twitter data.

- Python, Nltk, Wordcloud, Networkx

[github.com/SukruHan/simonpetersen.github.io](https://github.com/SukruHan/simonpetersen.github.io)

[Predicting Ozone Level](#)

Data exploration, visualization and machine learning models application for LA Ozone data.

- Python, Sklearn, PyTorch, Keras, Scipy

[github.com/SukruHan/Introduction.to.Machine.Learning](https://github.com/SukruHan/Introduction.to.Machine.Learning)

[Deep Learning for Popular Datasets](#)

Various deep learning models (FFNN, CNN, RNN, AutoEncoders, Q-Learning for RL) are practiced for different popular datasets.

- Python, PyTorch, Tensorflow, Math

[github.com/SukruHan/Deep.Learning](https://github.com/SukruHan/Deep.Learning)

[COVID-19 Analysis & Comparison with Previous Pandemics](#)

Visualizing virus spreads and effects, Predicting future cases.

- Python, Bokeh, Folium, Geopy, Sklearn

[github.com/SukruHan/SocialDataFinalProject](https://github.com/SukruHan/SocialDataFinalProject)

## SKILL SET

Data Science



Python



C++, C#



Object-Oriented Progr.



## SCORES & HONORS

- TEV Garring Foundation Scholarship
- Deloitte Educational Foundation Scholarship
- IELTS