

EXPERIENCE

Data Analyst

Söderberg & Partners

Mar 2019 – Present

Stockholm, Sweden

- Providing the organization with valuable insights based on data. Cooperation & dialogue with all levels of the organization from individual advisors to the executive teams.
- Developed a system which has received wide acclaim and has since been duplicated in other business areas in the organization. (see projects)
- BI, problem solving, data modeling, automation, digitalization etc.
- Tools: SQL, Power BI, Excel

Data Science Internship

Scania

June 2018 – August 2018

Södertälje, Sweden

- Spent the summer at a Business Intelligence department working with PhD colleagues on data science related projects.
- Conducted statistical experiments to aid an internal audit in close cooperation with data scientists, and presented the results to auditors. Also developed a system for diagnosing a complex report which the department composed that made it significantly easier to identify and handle eventual errors, and visualize the internal processes of the report.
- Tools: R, SQL, Excel

PROJECTS

Internal Research Project - NLP study for financial analyst reports

SEB

Sep 2020 – Jan 2021 (ongoing)

- Note: Project still at the outset.
- Implementing machine learning and state-of-the-art NLP-frameworks on real data in cooperation with data scientists and analysts at SEB. **Tools:** Python, Tensorflow, Google Cloud Platform (BigQuery) & more.
- By combining neural-network language processing and generative statistical modeling the goal is to analyze financial reports and extract information from the unstructured textual data such as sentiments, market indicators, company descriptions etc.

Internal Work Project

Söderberg & Partners

Oct 2019 – Jan 2020

- Built an extensive system in Power BI from the ground up. The system currently stands as the base of our investment towards a data-driven culture. The system has been duplicated in other business areas due to the appreciation and success of our system.
- The system provides relevant business information & data to all advisors (**250+**) and managers.
- The project included comprehensive data modeling, quantitative analyses, testing and development in both SQL and Power-BI.

Bachelor of Science thesis (link)

KTH Royal Institute of Technology

January 2019 – June 2019

Quantitative NLP-study of the geographical spread and growth of tweets regarding different news categories. Confined to tweets in the U.S on five self-established categories. Coding mostly in R & some Python, using the Twitter API as a data source.

EDUCATION

Master of Science in Engineering,
Degree Programme in Computer
Science and Engineering

KTH Royal Institute of Technology

August 2016 – June 2021

- M. Sc. in Industrial Management
2019 – 2021
 - Machine Learning Track
(50% ML, 50% IM)
- B. Sc. in Computer Science
2016 – 2019

KNOWLEDGE

Languages: Java, SQL, Python, R. Base knowledge in JavaScript, C

Software: MSSQL, Git, IntelliJ, Matlab, Microsoft Office, Power BI, Tensorflow

Math: Discrete, Linear Algebra, Calculus, Statistics, Numerical Analysis

Computer Science: Databases, Paradigms, Algorithms, Data structures, Complexity, Machine Learning, Data Science

Natural Languages: Swedish (academic), English (academic), Arabic (fluent speech)