MEET ASCHWIN

CONTACT

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LANGUAGES

Dutch, English

SKILLS

Programming languages:
Python, Javascript, R, SQL,
Bash

Tools:
Scikit-learn, Pandas, Docker,
Git, Spark, Flask, PowerBI,
[gpy|bo]torch

Tech:
AWS: Athena, Sagemaker,
S3, CDK

Summary

After my study in Mathematics I found out what amazing possibilities data science brings to the world. From becoming the number one chess player in four hours, to using image recognition for improving earlier detection of cancer. The possibilities are endless. New developments and ever changing environment makes sure working in data never bores.

Inspired by Eric Colson, I believe in the power of a generalist. I thrive on continuous learning and development of new capabilities. I get my hands dirty in data engineering, create insightful dashboards, train machine learning models and love playing around in the cloud. Years of experience in cold sales taught me how communicate effectively and always aim for value first.

Working Experience

2023 - present	**dsm-firmenich -** Data Scientist (senior)	Delft, The Netherlands

Currently I mostly work on experiment planning optimization for product development cycles. As a manufacturer dsm-firmenich is always improving their products or developing novel products. Using different variations of Bayesian optimization I assist wet lab scientist to design their experiments as efficient as possible. The biggest success was launching a new product range developed by a Self Driving Lab concept: Delvo One.

Python, FastAPI, Docker, SQL, Bash, PowerBI, AWS CDK

2019 - 2023	**DSM -** Data Scientist	Delft, The Netherlands

DSM manufactures food enzymes, cultures, yeast extracts, and other specialty ingredients for the dairy, baking, beverage and savory segments. As a part of the business unit "Data Science" I am responsible for making sure all the data produced during the research and production of these materials gets handled in a FAIR way.

Working Experience (cont.)

2019-present **DSM –** Data Scientist (cont.) Delft, The Netherlands

Work is done strictly on a project bases. One project included building a data storage solution with an open source data portal software called CKAN. Another was building a web application and data warehouse which serves as the central collection of data and information of strains used for food specialties production. I also implemented Airflow for automatic data processing and storage of sensor data coming from the lab. I created a model (CNN) and implemented data processing automation for recognizing growth in microtiter plate images.

Python, Flask, Docker, Spotfire/Dash/Bokeh, SQL, Bash, Airflow, PowerBI

2019 - 2020 **Xccelerated -** Data Scientist Amsterdam, The Netherlands

During this one-year program at Xccelerated, I started with an intensive one-month bootcamp, to get up to speed with the latest data science techniques.
Some of the topics during our bootcamp and training days during the year include: writing clean Python code, Machine Learning, Deep Learning, PySpark, Flask, Docker, Git and (Azure) cloud platform services.

Python, scikit-learn, PySpark, PyTorch, Docker, PyMC3, AWS, Azure

2018-2019 **Datlinq –** Data Scientist (2/5 FTE) Rotterdam, The Netherlands

Datlinq collects huge amounts of data about Foodservice outlets and offers CRM solutions for big food and drinks manufacturers.
My responsibility was to make sure clients of Datlinq got the most out of their public and private data by building insightfull dashboards and predictive models.
I built a sampling method for a product called the Market Monitor, which gives insight in the distribution of drink brands within Out of Home.
I also developed an algorithm and way of working to visit outlets as efficient as possible.
For internal usage I developed an application which is able to quickly alter, update and upload template dashboards using XML schemas and the Tableau REST-API.
Solutions are used by clients and Datlinq at a weekly basis and reduce a lot of time on repetitive tasks.

Python, Tableau, Git, MySQL, AWS: Athena

2018-2019 **Unilever –** Insights Consultant (3/5 FTE) Rotterdam, The Netherlands

Unilever is a huge global consumer goods company. The Out of Home department in the Benelux is responsible for all products being sold in a non traditional way. (=Non supermarket)
In the Out of Home department of Unilever Benelux all products are shipped via a wholesaler. Since the wholesaler doesn't always share data, it is very hard to get a good feel on product distribution, penetration and sales performance.
My responsibility was to give insight in this very opaque market. I built dashboards on the data we had and built predictive models to give a good estimation on the data we didn't have. This way Unilever got a clear overview to make better decisions for improving sales growth.

Python, Excel, Tableau, PowerBI, Git, Node.js

| 2017-2018 | **Landscape –** Business Developer | Leiden, The Netherlands |

Landscape is a data science company helping other companies mature in their data driven business. At the time they were still in their start-up phase and were struggling with getting new clients.

My responsibility was getting as much new clients as possible and keeping current clients happy with the projects our team did.

I developed and standardized a sales pipeline and sales procedures and was responsible for all acquisition during that time.

Sales procedures are still being used today and resulted in the first 50k of revenue acquired via cold sales.

Pipedrive, Git, Python, Markdown, LinkedIn Pro

| 2013-2017 | **Sales Manager –** SQPeople | Leiden, The Netherlands |

SQPeople has clients ranging from charities, newspapers and electric companies. Their proposition is selling their clients' product via direct marketing (=door 2 door). I was responsible for the sales performance of Leiden which had around 40 salesmen at the time. I developed and gave training in door 2 door sales and was responsible for everything around sales logistics, while also setting an example by selling d2d myself for two days a week. Together with the management team this resulted in the biggest amount of active people and biggest amount of sales of one of the 14 establishments ever

Education

| 2010 - 2016 | **Leiden University –** Mathematics | Leiden, The Netherlands |

The Mathematical institute covers a broad range of topics, with a focus on Algebra, Geometry and Number Theory; Analysis and Dynamical Systems; Probability Theory; and Statistics.

My courses were mostly focused around Decision Theory and Statistics.

| 2009 - 2010 | **TU Delft –** Civil Engineering | Delft, The Netherlands |

Civil engineering is concerned with the development, design, construction, production and management of the physical infrastructure required to safeguard the safety, health, business activity and sustainability of our society.

Awards / Other experience

2013

Teaching Mathematics – Scala College, ICLON

Alphen a/d Rijn, The Netherlands

In 2009, a Minor in Teaching was introduced, which offers a one semester teaching module during the third year of the bachelor period. The original goals of the Minor in Teaching were providing students with an introduction to teaching, offering a qualification for teaching in the lower years of secondary school, which, it was expected, would lead to higher student numbers in the Master in Teaching.

2013-2022

Actor – Leiden English Theatre (LET)

Leiden, The Netherlands

Leiden English Theatre is an English language theatre group. It was set up a little over 20 years ago in association with the English department at Leiden University.
Lead roles in: 'Dracula', 'The Great Gatsby', '1984' and Agatha Christie's 'And Then There Were None'