Bauke Brenninkmeijer

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SUMMARY

As a Data Scientist, I often engage in a wide range of work within my field while expanding and strengthening my knowledge in areas that I'm most passionate about. Such as Artificial intelligence and its application, specifically in computer vision, NLP, and its intersection like recent text-to-image models.

I embrace challenges with complex problems and discover different approaches to decode the issues. Whether it's working independently or within a team, I am enthusiastic about finding the most feasible, viable, and desirable solutions to reach the best possible outcome.

I am a disciplined and efficient individual and I thrive while working with a diverse, collaborative team. I understand the essence and importance of good communication, task prioritization, and managing the expectation of stakeholders, especially within a hybrid, multi-disciplinary work environment.

I have a solid foundation in several programming languages, especially Python. One of my biggest job satisfaction comes from creating and building tools that are being utilized every day. I am always motivated to be part of a team that can add value to any business area.

SKILLS

PROGRAMMING LANGUAGES	*Experienced:* Python	SQL *Familiar:* Javascript	C++	Bash	Java	HTML	React Native Node.js	LaTeX
SOFTWARE DEVELOPMENT	Git	CLI/Unix tooling	Agile	DevOps
FRAMEWORKS & LIBRARIES	Jupyter	Matplotlib	Numpy	Pandas	Scikit-learn	PyTorch	Tensorflow	Spark	Kedro	MLFlow	Airflow	Docker
CLOUD	*Azure:* ADF, DataBricks, DevOps, Storage accounts, VM, AzureSQL, Service Principals, Power BI *AWS:* VMs, ECS, S3, RDS *GCP:* VMs, File Storage *Other:* Snowflake
LANGUAGES	*Native:* Dutch *Fluent:* English *Intermediate:* French, German

EXPERIENCE

ABN AMRO   *2019-Now / Amsterdam, NL*

DATA SCIENTIST FINANCIAL MARKETS
- Refined and productionized project that recommends interested clients for newly originated bonds.
- Lead a project to provide inactive client lead generation for Foreign Exchange Sales Desk, managing 2 trainees.
- Spearheaded adoption and implementation of PaaS, such as Databricks, Datalake, AzureSQL and Data Factory.
- Worked with Azure Data Factory, Kedro, Databricks, Power BI.

DATA SCIENTIST DATA MANAGEMENT & ARCHITECTURE
- Researched and piloted the application of GANs for generating tabular data. Managed two other people during the pilot project.
- Co-author of datalake metadata generation framework.
- Experimented with real estate value assessment using pictures. We engineered a multi-ResNet into BERT model that predicted house maintenance level based on 5 pictures.
- Continued development of an open source library for evaluating realness of synthetic data.
- Worked with Azure, PyTorch, Tensorflow, Spark.

ONETWOMODEL   *2019-2021 / Leiden, NL*

CO-FOUNDER & CTO
OneTwoModel is a start-up tech company, it develops innovative solutions that meet problems of the modelling industry. We collaborate with models, modelling agencies and industry experts to develop products that empower models and to help them with (starting) their careers.

As a co-founder, I had a split responsibility between constructing a value proposition and business model while also guiding the product development. The idea was that teenagers are keen to know if they could be a fashion model. Having an app that can both be honest about your chances, while also assisting in improving as a model was thought to have great value.
- Developed a value proposition and business model.
- Manage a development team of 2-3 interns.
- Partake in YES!Delft - the incubator program from Delft University.
- Managed the development of an Android and iOS app that scored users' potential to become a fashion model.
- Worked with React Native, Github flows, GCP, FastAPI, PyTorch, FastAI.

TAPP *2018-2019 / Amsterdam, NL*

Data Scientist + Intern
- Implemented hierarchical product classification in Keras, making human classification obsolete.
- Researched time series anomaly detection for our data streams.
- Worked with AWS, Airflow, Jenkins and Keras.

The Select Comfort Company B.V. *2017-2018 / Nijmegen, NL*

Web developer
- Worked on several features, most notably homepage A/B testing and redesign and implementation of image management.
- Proposed and build the CI/CD solution using Gitlab, including versioning and rollbacks.
- Worked with JQuery, HTML, PHP and Gitlab.

EDUCATION

Radboud University *2013-2019*

Master's degree in Data Science

- Thesis on tabular data synthesis with GANs and the evaluation of such data.

Bachelor's degree in Computer Science
- Specialization in Digital Security
- Minor in Information Sciences
- Thesis on IMSI-catchers

PERSONAL PROJECTS

Fully Automated Instagram Bot *2019*

instagram.com/amsterdam.district

Created a completely automated Instagram bot, that uses machine learning to determine what images to post and which people to follow. Packaged in a docker container with RDS and S3 as back-ends, the bot can be deployed anywhere.

FakeFynder | Hackathon for Good *2019*

github.com/Baukebrenninkmeijer/FakeFynder-Hackathon-for-Good-2019

Designed a web application with deep learning back-end to facilitate detecting videos that have been manipulated with deep fake techniques for the masses.

VOLUNTEERING

Innovation Committee Young ABN AMRO *2021-Current*

General member
As part of the innovation committee of Young ABN AMRO, we organise events and invite speakers to share about topics both relevant to innovation in banking as well as in general.

Dorans E-sports Student Association *2015-2020*

BOARD | Commissioner of External Affairs (2016-2017)
As part of the 2nd board we were able to shape the association in many ways. Personally, I contributed as follows:
- Managed new sponsorship contracts and partner agreements, raising €6480,-.
- Responsible for social media promotion and activity.
- Attained non-profit status for the association, allowing us to apply for tools such as Google Workspace for free.

Furthermore, I was also part of several committees:
- Media committee (3 years) - responsible for photos and videos of events, and publishing on the website.
- Website committee (5 years) - responsible for development and maintenance of the website. This was build on Wordpress, where we had our own custom plugin for competition match management.
- Activities committee (3 years) - responsible for organizing monthly events and drinks.
- Recruitment Committee (1 year) - responsible for selecting the next board members.
- Advisory Committee (2 years) - Committee filled with mostly former board members that advices the board during their year.
- Sponsor committee (2 years) - Committee setup by me to assist the commissioner of external affairs manage sponsorships and allow other interested members to get experience with this domain.