Piene Claessen

Data Scientist | Data Analyst

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Education

Cadet Officer Training
Royal Military Academy (KMA)
Sep 2019 - Dec 2019

Msc International Management
Tilburg University
Sep 2016 - Jan 2018

Bsc Business management
Fontys University of Applied Science
Sep 2012 - Jun 2016

Skills

Python (a.o. Numpy, Pandas, Scikit-Learn, Matplotlib, Seaborn)

Microsoft PowerBI

SQL

PostgreSQL

Azure

Microsoft Excel

Dataiku

Agile/Scrum

Online presence

Linkedin
Github

Profile

I am a data scientist and data analyst with a strong track record of developing data products that deliver business value. Skilled at bridging business and technology by identifying needs, translating them into practical solutions, and building them end-to-end. I have a proven ability to communicate technical concepts clearly to stakeholders, demonstrating the value of data-driven approaches. My expertise is in dashboards, workflow automation, large language models, and applied machine learning.
Hard skills: Python · SQL · Power BI · ML · LLMs · Azure · Excel · workflow automation

Work Experience

Data Scientist, Royal Netherlands Air and Space Force, Breda - the Netherlands

April 2024 - Present

In my role as a Data Scientist within the Data Science Cell, part of the Digital Transformation program, I contribute to strengthening and accelerating the Royal Netherlands Air and Space Force through the development of various data products. My work has included:
- Developing a predictive maintenance tool for the NH90 helicopter using machine learning techniques.
- Building an LLM supported AI agent.
- Designing and validating predictive analyses to support operational decisionmaking.
- Cleaning, processing, and integrating data from multiple source systems, using tools such as SQL and Azure.
- Bridging the gap between domain experts and data specialists to enable knowledge sharing and generate shared insights.

Data Analyst, Royal Netherlands Air and Space Force, Breda - the Netherlands

March 2022 - April 2024

As a Data Analyst within the Digital Transformation program of the Royal Netherlands Air and Space Force, I was responsible for a broad range of data-related activities. Due to the limited in-house data expertise, particularly during the early phases of the program, I was given significant responsibility in defining frameworks and guidelines at the Air Force-wide level.
My responsibilities included:
- Building interactive dashboards using Microsoft Power BI to support data driven decision making.
- Developing frameworks for data governance and data management, tailored to the military context.

- Delivering training sessions to senior management (including colonels and generals) on the strategic importance of data within the organization.
- Creating a platform where airmen could report digital opportunities using Sharepoint/Nintex.

Military Pilot in Training, Royal Netherlands Air and Space Force, Woensdrecht - the Netherlands

September 2019 - March 2022

I spent 2.5 years in training to become a Military Aviator within the Royal Netherlands Air and Space Force.
- Completed the officer training at the Royal Military Academy (KMA).
- Obtained a frozen ATPL, with courses such as meteorology, flight planning and monitoring, and human performance.
- Logged approximately 30 flight hours as a military pilot trainee on the Pilatus PC-7.

Database Analyst, IRI, Zaltbommel - the Netherlands

January 2018 - September 2019

As a Database Analyst Setup & Restatement at IRI, I was responsible for building and maintaining databases for the retail and consumer goods sector in the United Kingdom. My work focused on translating client needs into clear and accessible data structures.
My key responsibilities included:
- Designing and building databases for FMCG manufacturers, with an emphasis on user-friendliness and optimal performance.
- Creating logical and well-structured databases to enable clients to quickly and easily find their products.
- Collaborating closely with account managers and stakeholders in the UK to gather requirements and translate them into effective database solutions.
- Performing data validation and quality checks to ensure data accuracy and consistency.
- Working effectively in a remote setting with clients and internal teams distributed across multiple time zones.

Internships abroad

Bacherlorthesis; Marketingexportplan, Deki Electronics, Noida - India

February 2016 - May 2016

Internship; Data analyst, Dream Aupair, Auckland - New Zealand

February 2015 - July 2015

Certifications

Microsoft PL-300 Data Analyst Associate

Microsoft AZ-900 Azure Fundamentals