MARC BLOMVLIET

ING. · AMSTERDAM, NETHERLANDS

DETAILS

Amsterdam
Netherlands
mblomvliet@gmail.com

Date / Place of birth
21-09-1995
Schagen

Nationality
Dutch

LINKS

LinkedIn

www.marcblomvliet.com

SKILLS

Python

Spark

SQL

Flask

HTML

Git

Artificial Neural Networks (ANN)

R

C

Bash scripting (Ubuntu)

LANGUAGES

Dutch

English

HOBBIES

Traveling the world, Hiking, cryptocurrency, motorcycle, running, music, AI, Kaggle competitions and gardening.

PROFILE

Extensive knowledge in implementing Machine learning techniques with the use of Python. Data analysis, pattern recognition, information retrieval, understanding and preparation of data are part of my specialties. During my Bachelor's degree, I became competent in Python and C. During my Master's degree in Artificial Intelligence I became competent in: implementing core Machine learning algorithms and understanding the mathematics behind it, data visualization and preparation, statistical analysis, and other related fields in Artificial intelligence.

General skills:

Data visualization • Data preparation • Statistical analysis • Pattern recognition • Machine learning algorithms • Data engineering • Information retrieval • Natural Language Processing • Data association

EMPLOYMENT HISTORY

Data scientist at Ahold Delhaize - Albert Heijn, Zaandam
February 2022 — July 2022

Master Thesis

- I was responsible of improving data quality of product attributes and automating the process of data quality checks.
- One important achievement during the project: We were able to increase the data quality of food and non-food products.

Software Engineer at Total Systems, Middenmeer
June 2019 — January 2022

- We created a machine learning tool that detects, counts and measures the quality of tulip bulbs.
- I was responsible for implementing, evaluating and optimizing a recurrent neural network. Furthermore, I was responsible for pattern recognition. Based on data that originated out of the images.

Software Engineer at Total Systems, Middenmeer
October 2018 — December 2018

Agricultural employee at Wit Flowerbulbs, Moerbeek
October 2011 — September 2018

Manager of +/-25 employees and forklift driver.

Stock clerk at Albert Heijn, Schagen
October 2010 — August 2012

EDUCATION

Artificial Intelligence, Vrije Universiteit Amsterdam, Amsterdam
September 2020 — July 2022

Master of Science, Graduated.

Artificial Intelligence, Vrije Universiteit Amsterdam, Amsterdam
September 2019 — June 2020

Premaster, Graduated.

Software and Electrical Engineering, Hogeschool Inholland, Alkmaar
September 2014 — May 2019

Bachelor of Science, Graduated.

Nature and Technology, Regius College Schagen, Schagen
September 2008 — May 2014

Secondary school, Graduated.

INTERNSHIPS

Graduate Intern - Artificial Intelligence at Ahold Delhaize - Albert Heijn, Zaandam
February 2022 — July 2022

This research was part of my Master Thesis and focuses on improving data quality of product attributes and reducing the time that is spend on data quality checks by data specialists, with the use of implementing machine learning techniques.

Software Engineer (Thesis) at Total Systems, Middenmeer
December 2018 — May 2019

Software Engineer at Total Systems, Middenmeer
February 2018 — July 2018

Detail Engineer at Joulz, Utrecht
November 2015 — January 2016

Intern at Marinemuseum, Den Helder
December 2009 — January 2010

During my internship, I helped testing and reviewing new developments in the museum. Such as, a guided user interface which was developed for the visitors.

COURSES

SYSMAC Controller Advanced, Omron
September 2019

SYSMAC Basis, Omron
September 2019

Robot Bin-pick application with 3D scanner and real robot hands-on training, Stemmer Imaging B.V.
June 2019

3D Imaging using the LMI Gocator, Stemmer Imaging B.V.
June 2019

Basic training: Machine vision solutions with examples in HALCON and MERLIC, Stemmer Imaging B.V.
March 2019

EXTRA-CURRICULAR ACTIVITIES

Maintenance Operator and Founder at STAKETODAY, Amsterdam
March 2021 — Present

With my experience as a Python Software engineer, my friend and I created a 'Stakepool' on the Cardano blockchain platform. A public stake pool is a Cardano network node with a public address that other users can delegate to, and receive rewards. I became competent in bash scripting in Ubuntu, Guild LiveView, Prometheus, Grafana (monitoring dashboards). Besides I became competent in Secure Shell (SSH).

Staketoday, returns 10 percent of the fixed pool fee to the world every month. We have chosen to make the world a bit greener again by planting trees. We donate 10 percent of our rewards to 'One Tree Planted'. Trees help neutralize our carbon footprint, clean the air we breathe, filter the water we drink, and provide habitat to over 80% of the world's terrestrial biodiversity.