



Timo Voorn

Data Scientist / ML Engineer
Artificial Intelligence - Cognizant



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SUMMARY

Combining his two passions machine learning and problem-solving is what drives Timo to utilize the most advanced techniques, tools and design to solve complex problems. With his thriving curiosity, he can quickly understand a domain, and always able to pull the right tools when needed. He has a proven track record of working in a fast, agile environment, delivering advanced analytics solutions, and scale if needed.

Areas of expertise

- Cloud Solutions
 - Azure, AWS, Docker, GCP, Kubernetes, MLOps
- Domains
 - B2C Marketing & eCommerce
 - Sales & Operations
- Programming
 - Python: sklearn, pandas, Flask, Tensorflow, etc.
 - Pyspark, R, and SQL
- BI & Design
 - Qlik, Tableau, React.JS, and HTML

WORK EXPERIENCE

Cognizant

Oct 2019 - Present

Associate – AI & Analytics

Cross-functional position within Cognizant's Data+ team. Timo his primary focus is on data science/machine learning, with a passion for design and a strong foundation in data engineering.

Key responsibilities:

- Work independently, or as part of a team, to design and develop AI/ML solutions
- Drive AI/ML POCs and consult on client's requirements
- ETL data for modeling and operational dashboards
- Research and implement appropriate ML algorithms and tools
- Run experiments and productionize models



Sep 2018 – Mar 2019

Marketer – Careers Beyond Borders

As a marketer of this committee, Timo managed and executed a marketing plan and helped organize a trip to Dublin, Ireland. 25 MAA members got the unique opportunity to combine business with culture and visit the headquarters of Google, Salesforce, Workday and Facebook.

Key responsibilities:

- Create and implement a marketing plan
- Branding of the event
- Organizational duties

EDUCATION

Master's degree

Sep 2018 – Jun 2019

Business Administration: Digital Business (MSc)

- University of Amsterdam
- Thesis: 'Analyzing Twitter To Predict Music Revenues: The Next Big Hit?' (8.5/10)

Bachelor's degree

Sep 2012 – Jun 2015

Communication Science, minor in Business Studies (BSc)

- University of Amsterdam
- Graduated with Honours, 7.5 GPA

Trainings

- Data Scientist w/ Python Track (Datacamp.com), Azure Fundamentals Certificate (Microsoft), MLOps CI/CD workshop (Databricks)

Languages

- Dutch (native); English (fluent); French (basic); German (basic)

SELECTED CAPSTONE PROJECTS PAST YEARS

Cognizant Digital Studio

May 2021 – October 2021

Data Scientist / Partner Manager

Re-opening the Digital Studio, head office of Cognizant Benelux in Amsterdam meant redesigning the space and collaborating with partners to make this a success. Responsible to find and engage with data partners, create propositions for our partner program, and together bring data science to life in our office. One clear benefit delivered is our partnership with Airthings and equipping our office with 36 of their air quality measuring devices that constantly stream temperature, humidity, CO2, VOC, light, atmospheric pressure, and radon sensors data to our cloud, which enables our team to design and build data science solutions.

Key Responsibilities:

- Creating value propositions
- Liaising with partners
- Equipping and programming of air quality sensors
- Drive data science initiatives @ Digital Studio

Large Dutch Healthcare Company

Jan 2020 – April 2021

Data Scientist / ML Engineer

As part of the Market To Order and Marketing & eCommerce domains, serving as the driver to utilize machine learning and natural language processing (NLP) tools on domain data. Requiring to be up-to-date on the latest statistical techniques and tools, understand the eCommerce platform of the client and its diverse set of customers, and to apply this knowledge using programming skills

Key Responsibilities:

- Provide new and invaluable insights based on Sales & Operations assortment data and Marketing & eCommerce B2C web data
- Drive AI/ML POCs
- Program pipelines to extract, transform and load (ETL) data, readily available to use for dashboards and ML models
- Research and use appropriate ML, NLP algorithms and tools
- Productionize ML models

Benefits delivered:

- Provided award-winning AI/ML solution for business case
- Trained an ML model on email marketing data, functional as part of a tool that can predict email marketing success
- Deployed ML model into production, turning ML model into API
- Built front-end tool to interact with API
- Transformed a POC into a project, utilizing AI/ML to optimize highly complex Healthcare product assortment
- Custom-written pipelines automating ETL for dashboards and ML models

Large Dutch Healthcare Company

Nov 2019 – April 2020

Product Owner - Chatbot

Product Owner as part of the Enterprise Information Management (EIM) department serves as a key link between the business and development teams.

Key Responsibilities:

- Driving development and execution of a chatbot for internal use
- Validate requirements, user stories, and acceptance criteria with internal stakeholders

Benefits delivered:

- Developed a plan to utilize the chatbot in a more real-life scenario, connected to more data.

