RODEL
VAN ROOIJEN

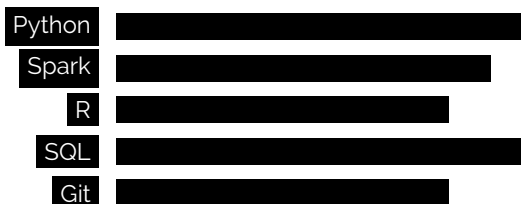## Data Scientist & Tech Lead

Utrecht, the Netherlands

+31 653567371

rodelvanrooijen@gmail.com

rodelvr.github.io

linkedin.com/rodelvr

At request

WHO AM I?

Check out my website to learn more about me.

Python	████████████████████
Spark	██████████████████
R	██████████████
SQL	███████████████████
Git	██████████████

Airflow   SkLearn   XGBoost   Tensorflow   MLFlow   Kubernetes

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EXPERIENCE

1/2021 – present

Technical Lead - Machine Learning (Experimentation & Payment Conversion)
full-time   Adyen N.V.

- Leading a multidisciplinary team to support product focused teams in bringing Machine Learning based solutions to production. The use cases are mainly aimed at optimisation of conversion, cost or chargebacks.
- Managing a team of 7 Data Scientists and Engineers. Responsible for growing the team, supporting personal growth goals and performance evaluation.
- Designed and architected an Experimentation framework, servicing multiple teams in need of running experiments.

```
Python / Spark / SQL / Looker
```

7/2019 – 12/2020
1 year and 6 months

Senior Data Scientist - Conversion Optimisation
full-time   Adyen N.V.

- Coordinating a team of 6 Data Scientists and Data Analysts to develop, improve and productionize machine learning models.
- Built and implemented a reinforcement learning framework to optimize the conversion rate of payments, while reducing the amount of fraud.

```
Python / Spark / SQL / Looker
```

7/2018 – 7/2019
1 year

Medior Data Scientist - Recurring Payments
full-time   Adyen N.V.

- Developed and built a machine learning based product: AutoRescue. This product intelligently retries failed subscription payments at a later time to ensure highest recovery rates.
- Played an important role in building and maintaining the Big Data Platform. This platform is built for various purposes, e.g. training machine learning models, creating insights and running analysis on big data sets.

```
Python / Spark / SQL / Looker
```

6/2017 – 6/2018
1 year and 1 month

Medior Data Scientist - ALM Risk
full-time   ING Bank N.V.

- Developing machine learning models aiming to predict client behaviour (e.g. mortgage prepayment and savings withdrawal).
- Coordinating across all ING locations to unify machine learning methodology.

```
Python / R / Spark / SQL
```

| 6/2016 – 7/2018 | **Junior Data Scientist - Model Risk** | |
| 1 year | **full-time** | **ING Bank N.V.** |

- Validation and model risk assessment of machine learning models used to predict client behaviour, forecast interest rate risk and used for capital calculations.
- Responsible for writing a high quality report on model risk measurements across all ING locations, aimed for the Executive Board and Risk Management committees.

```
Python / R / Spark / SQL
```

| 12/2015 – 6/2016 | **Quantitative Analyst Intern** | |
| 6 months | **intern** | **Rabobank** |

Graduate Internship applications of time series forecasting in Credit Risk.

```
Python / Matlab
```

EDUCATION

| 2014 – 2016 | **Master of Science in Stochastics and Financial Mathematics** | **University of Amsterdam** |

- Specialized in Probability Theory and (Applied) Statistics.
- Written a research paper on the pricing of barrier options through computational methods.
- Graduated on a research internship topic in Credit Risk Modelling at Rabobank.

| 2011 – 2014 | **Bachelor of Science in Mathematics** | **University of Amsterdam** |

- Completed a Minor programme in Econometrics and Mathematical Economics.
- Graduated on a research project on the Exponential Random Graph model.

| 2005– 2011 | **Pre-university Education** | **Het Baken Park Lyceum** |

LANGUAGES

Dutch - native
English - fluent
German - rudimentary

HOBBIES

Table Tennis, Casual Gaming, AI for Automating Games

VOLUNTEERING

Helping out with organizing summer camps for kids with a refugee background.