

Gertjan van den Bos

DATA SCIENTIST

Utrecht area - The Netherlands

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Skills

DATA SCIENCE

- Time Series, Forecasting, Anomaly Detection, Classification, Machine Learning, Data Wrangling, Data Visualization, Dashboarding, Process Automation

LANGUAGES

- R (advanced): i.a. dplyr, tidyr, ggplot2, shiny, forecast, caret, purrr, data.table
- Python (intermediate): i.a. pandas, numpy, TensorFlow, Keras, PySpark

APPLICATIONS

- RStudio, Jupyter Notebook, Git Bash, SQL Developer, SAS EG

Experience

ING Bank N.V. - Finance Analytics

2016 - present

DATA SCIENTIST

Amsterdam

- Involved in setting up the Finance Analytics Center-of-Expertise, to exploit data for improved financial decisions
- Part of a small team of data scientists (2-3 FTE), working as internal consultants on projects within the (global) ING Finance domain
- Development of a pipeline of R packages for data cleaning, time series forecasting and interactive dashboarding for end-users
- Support the ING Finance Academy to provide training to Finance colleagues in Amsterdam, Brussels, Frankfurt and New York

ING Bank N.V. - Arrears Department

2014 - 2015

DATA SCIENTIST

Amsterdam

- Development and incremental improvement of several customer classification models, using machine learning methods in R
- Performing data analysis for the testing of new propositions for customers in arrears, using A-B testing in pilots
- Creating new interactive tools for the call employees to increase insight into the financial situation of individual customers

ING Bank N.V. - Arrears Department

2013 - 2014

GRADUATE INTERN

Amsterdam

- Research for my MSc Thesis on the application of Continuous Risk Management to reduce risk costs

Education

Go Data Driven

2016 - 2017

DATA SCIENCE ACCELERATOR PROGRAM

- Combines in-depth and hands-on lectures with practical workshops to improve data science skills and knowledge
- Capstone project: detect potential iPhone fraud on Marktplaats using scraped web data and images

Delft University of Technology

2011 - 2014

MSc (CUM LAUDE), TRANSPORT, INFRASTRUCTURE & LOGISTICS

GPA: 8.5

- Specialization: Engineering - Transport, Logistics & Supply Chains
- Thesis: Continuous Risk Management of Customers, Application at the ING Arrears Department
- Honours Programme: Swedish Transport & Logistics Systems

KTH Royal Institute of Technology in Stockholm

2011 - 2012

ERASMUS EXCHANGE IN TRANSPORT SCIENCE

GPA: 9.3

- Five courses during the first semester (37.5 ECTS) as part of my MSc Honours Programme

Delft University of Technology

2008 - 2011

BSc (CUM LAUDE), TECHNICAL POLICY MANAGEMENT

GPA: 8.7

- Domain: TIL - Transport, Infrastructure & Logistics
- Minor: Entrepreneurship for Smart Living 2020 (Awarded best project)