Gertjan **van den Bos**

DATA SCIENTIST

Rotterdam area - The Netherlands

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Skills

DATA SCIENCE

- Anomaly Detection, Classification, Regression, Graph Analysis, Time Series, Forecasting, Data Wrangling, Data Visualization, Dashboarding, Process Automation

LANGUAGES

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

APPLICATIONS

- VS Code, Jupyter Notebook, Google Cloud Platform, Docker, Git, RStudio

Experience

ING Bank N.V. - Financial Crime & RegTech Analytics   *2019 - present*

SENIOR DATA SCIENTIST   *Amsterdam*

- Part of a medium sized team of data scientists (15 FTE), working on projects within the (global) ING Financial Crime & Regtech domain
- Collaborating with the ING NL Fraud Tribe to develop and implement models to detect a variety of Fraud types (i.a. Phisher logins, Mules)
- Development of an SME background screener to support KYC processes for ING Belgium, hosted on the Google Cloud Platform

ING Bank N.V. - Finance Analytics   *2016 - 2019*

(SENIOR) 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

ING Bank N.V. - Arrears Department   *2014 - 2015*

DATA SCIENTIST   *Amsterdam*

- Development and incremental improvement of several customer classificaton models, using machine learning methods in R
- Performing in depth data analysis for the testing of new propositions for customers in arrears, using A-B testing in pilots

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)