

TOM DE VALK

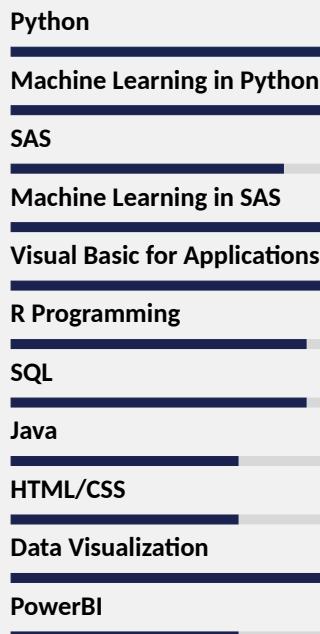
Data & Analytics Intern at EY and MSc. student Business Analytics at VU Amsterdam, The Netherlands. Former Python developer at Baywater Asset Management and former data analyst at Zilveren Kruis. BSc. Mathematical Engineering. International orientation and culturally aware as a result of upbringing in US, UK and Singapore.



CONTACT

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in Tom de Valk

SKILLS



PROFESSIONAL INTERESTS

Data Science
Machine Learning
Programming
Algorithmic Trading

LANGUAGES

English
Dutch
Spanish

HOBBIES

Fitness
Basketball
Photography
Sports Cars
Hiking

EXPERIENCE

📅 02/2022 - Present	Data & Analytics Intern
📍 EY Amsterdam, The Netherlands	Development of a hybrid deep learning and evolutionary algorithm approach for stock price prediction and portfolio optimization.
📅 11/2020 - Present	Python Developer
📍 Baywater Asset Management Hilversum, The Netherlands	Automation of systematic investment strategies along with the development of a simulation and live trading environment.
📅 03/2021 - 06/2021	Teaching Assistant
📍 VU University Amsterdam, The Netherlands	Assistance of students in online lab sessions, grading of assignments and provision of feedback for the course Computational Intelligence of the BSc. Artificial Intelligence.
📅 06/2020 - 08/2020	Data Analyst
📍 Zilveren Kruis Leusden, The Netherlands	Development of a computer vision model to analyze patient X-rays to enable automated approval of dentist treatments.
📅 02/2019 - 06/2019	Data Science & Modelling Intern
📍 Zilveren Kruis Leusden, The Netherlands	Development of a neural network model for the prediction of health insurance claims to detect inefficient medical care.
📅 02/2018 - 07/2018	Software Development Intern
📍 Marketing Evolution New York City, NY, United States	Development of an application to analyze and categorize image and video advertising using machine-learning APIs.

EDUCATION

📅 09/2020 - Present	MSc. Business Analytics
📍 VU University Amsterdam, The Netherlands	
📅 09/2019 - 07/2020	Premaster Business Analytics
📍 VU University Amsterdam, The Netherlands	
📅 09/2015 - 07/2019	BSc. Mathematical Engineering
📍 The Hague University of Applied Sciences Delft, The Netherlands	
📅 09/2017 - 01/2018	Minor Finance & Accounting
📍 HU University of Applied Sciences Utrecht, The Netherlands	

OTHER EXPERIENCE

📅 01/2012 - Present	Basketball Trainer & Coach
📍 Eem'78 Eemnes, The Netherlands	Basketball Trainer 2 Certification - Nederlandse Basketball Bond Coaching and training of multiple basketball teams.

PROJECTS

MSc. Business Analytics

Project Optimization of Business Processes

Premaster Business Analytics

Machine Learning Project Big Data Project

BSc. Mathematical Engineering

KLM Logistics Project Methods and Techniques Project
Visual Basic for Applications Project Operations Research Project 1 Actuarial Mathematics Project
Operations Research Project 2

Minor Finance & Accounting

Financial Management Project

COURSES

MSc. Business Analytics

Applied Stochastic Modelling	Advanced Machine Learning	Deep Learning
Statistical Models	Research Seminar Business Analytics	Entrepreneurship in Analytics & AI
Natural Language Processing	Data Mining Techniques	Machine Learning for the Quantified Self
Evolutionary Computing	Programming Large-Scale Parallel Systems	Multi-Agent Systems
Mathematical Optimization	Learning Machines	

Premaster Business Analytics

Stochastic Modelling	Machine Learning	Statistical Data Analysis
Introduction to Programming (Java)		

BSc. Mathematical Engineering

Basic Mathematics	Research Skills	Actuarial Mathematics 2
Descriptive Statistics	Linear Algebra 2	Databases
Graph Theory	Actuarial Mathematics 1	Number Theory
Logic and Proving Algorithms	Mathematical Modelling	Economics
Computer Skills	Communication Skills	Business Economics 1
C-Programming	Reporting Skills	Marketing 1
Differential Calculus	Estimating and Testing	Marketing 2
Linear Algebra 1	3D Functions	Stochastic Modelling and Simulation
Project Skills	Object Oriented Programming	Deterministic Operations Management
Visual Basic for Applications	Numerical Mathematics	Contact with the Client
Probability Distribution	Academic English	Clusteranalysis
Linear Programming 1	Testing Statistics	
Integral Calculus	Differential Equations	

Minor Finance & Accounting

Financial Management	Financial Reporting	Management Accounting and Financial Calculations
Finance and Business Analysis	Management Accounting	

LinkedIn

Advanced Python	Pandas for Data Science
Artificial Intelligence Foundations: Machine Learning	Blockchain Basics
Data Visualization for Data Analysts	Data Visualization: Storytelling
Deep Learning: Image Recognition	Presenting Technical Information with Stories
Improving Your Listening Skills	Strategic Thinking
Learning Data Science: Ask Great Questions	Impromptu Speaking
Machine Learning and AI Foundations: Recommendations	Neural Networks and Convolutional Neural Networks Essential Training
Python for Data Visualization	Algorithmic Trading and Finance Models with Python, R, and Stata Essential Training
Ram Charam on Coaching High Potentials	Algorithmic Trading and Stocks Essential Training
Financial Forecasting with Big Data	
Persuasive Coaching	
Habits to Win Every Day	