Marius Sommerfeld, MSc Data Science for Decision Making

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Professional Summary

I am a MSc Data Science graduate with interests in Data Analytics, Machine Learning, and Computer Vision. For my first full employment, I am searching for an interesting and demanding job where I can learn to apply the theoretical concepts, I have studied in during the master, to real problems. In my work and my free time, I like to learn new things and attend projects with steep learning curves.

Skills

Strong: Python (Numpy, Pandas, Scikit-Learn), MySQL, Git, Excel, Refinitiv/Reuters EIKON, and Capital IQ.
Medium: Keras, Pytorch, Tensoflow, MATLAB, JAVA, HTML, CSS, C++, and R.
Non-IT: Self-Responsible, Trustworthy, Ambitious, Team Player, Social, Problem Solving, and Analytical Thinking.

Education

Maastricht University	**Maastricht, Netherlands**
MSc Data Science for Decision Making, Cum Laude (GPA 9.07/ 10)	09. 2020 – 09.2022

- Thesis: 3D Plant Segmentation for High Throughput Phenotyping Using 3D Morphological Algorithms.
- Research Project: Disentangling Cell Mixtures in Cancer from Omics Data and Images.
- Research Project: Particle Track Reconstruction from VELOPIX Detector Data.
- Relevant Coursework: Natural Language Processing, Computer Vision, and Data Mining, Signal and Image processing, Advance Concepts in Machine Learning

Maastricht University	**Maastricht, Netherlands**
BSc Econometrics and Operations Research, Cum Laude (GPA 8.19 / 10)	09. 2016 – 08. 2019

- BSc Thesis: Impact of Delay Allowance in Freight Transportation Network Design.
- Relevant Coursework: Statistics, Econometric Methods, Operations Research, Finance, and Economics.

Professional Experience

Autonorm GmbH	**Essen, Germany**
Data Specialist	10. 2022 – Present

- Data processing for article data to provide it to various sales channels.
- Setup, development, and data management of an online shop.

Phenospex E.V.	**Heerlen, Netherlands**
Research Intern in the R&D Department	03. 2022 – 07.2022

- Development and testing of various computer vision algorithms for autonomous segmentation of 3D point cloud plant data into stem and leaf points.
- Development of a labelling pipeline for 3D plant models.

IVC Independent Valuation & Consulting AG. WPG.	**Essen, Germany**
Research Analyst Intern / Work Student	06. 2020 – 08. 2021

- Planning and setup of a database holding financial data.
- Development of autonomous processes writing data from various sources to the database.
- Development of a valuation dashboard, significantly speeding up the financial valuation workflow of the consultants.

HSBC Germany	**Düsseldorf, Germany**
Intern in Equity Derivatives trading	08. 2019 – 01. 2020

- Analysis of financial markets to deliver trading insights supporting trading decisions.
- Creation of periodical trading reports delivering a historical overview of the derivatives market.
- Development of a trading simulation to analyse various financial products resulting in multiple profitable trades.

INTERNATIONAL EXPERIENCES

IT University of Copenhagen - Erasmus Exchange   09. 2021 – 01.2022
- Courses: Advanced Robotics, Modern Artificial Intelligence, and Danish.

University Luigi Bocconi - Erasmus Exchange   09. 2018 – 01. 2019
- Courses: Theoretical Computer Science, Introduction to Blockchain, Political Economics, Experimental Economics, and Italian.

LANGUAGES

German (Native), **English** (Advanced), and **Italian** (Intermediate).

RECREATIONAL ACTIVITIES

Travelling, ski, saxophone, running, socialising, motorcycling, and drawing.