

Rocky Auer

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| <https://github.com/rocky2397/Rocky> |

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EDUCATION

Maastricht University - Department of Advanced Computing Sciences **Maastricht, Netherlands**

Master of Science in Artificial Intelligence

since September 2022

- **relevant coursework** in Machine & Deep Learning / Computer Vision / Robotics / NLP
- **research projects:**
 - modeling 'Forced Alternated Actions' in game theory
 - detecting anomalies in high-frequency finance data (orderbook data)

Johann Wolfgang Goethe University

Frankfurt am Main, Germany

Bachelor of Science in Economics and Business Administration

October 2017 - July 2021

- **specialized** in Economics - *second upper class*
- **relevant coursework:** Game Theory / Macroeconomics / Econometrics

enrolled in the student exchange with the Chungnam National University in South Korea (2019)

Bachelor of Science in Mathematics (minor: Computer Science)

October 2018 - June 2022

- **relevant coursework:** Calculus / Linear Algebra / Programming
- dropped out to pursue my master's degree

PROFESSIONAL EXPERIENCE / VOLUNTEERING / PROJECTS

Assenagon Asset Management S.A.

Munich, Germany

Intern - Artificial Intelligence in Portfolio Management

since July 2023

- currently working on a POC to implement topic modeling and sentiment analysis in our market predictions (mostly considering ESG investments)
- working with common NLP libraries and the BERT model including transfer-learning and fine-tuning

Alexander Thamm GmbH

Frankfurt am Main, Germany / Remote

Visiting Data Scientist

February 2022 - June 2023

- creation of data science courses for managers (problem sets, data science project life cycle)
- worked on projects involving price forecasting for insurance products using ML and econometrics
- involvement in an in-house research project on political party classification based on computer vision

Deutsche Bahn - DB Vertrieb GmbH

Frankfurt am Main, Germany

Working Student in Data Analytics and Data Management

November 2020 - January 2022

- created data solutions in Python to support the project monitoring (using Pandas, NumPy)
- coded a cryptography-integrated data parser to improve usability for managers

TechAcademy e.V

Frankfurt am Main, Germany

Python projects for Data Science & Tutoring

since May 2020

- conceptualized the project for the class of 2022 (advanced track in data science with Python) with a focus on content-based recommendation systems using a Netflix dataset from Kaggle
- taught bachelor students the basics of programming and tutored them during their projects

SKILLS, ACTIVITIES & INTERESTS

Languages: German (native); English (fluent); Russian (basics)

Technical Skills: Python(ML-, NLP-, CV-libraries, TensorFlow), Git, MS-Office (Excel, PowerPoint)

Interests: AI applications, calisthenics, entrepreneurship, films, beats production, fashion