

GABRIEL GAUCI MAISTRE

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EXPERIENCE

Sixt

Senior Data Scientist

Munich, Germany

Nov 2020 - Present

- Applied Uber's H3 spatial grid system for intelligent data collection and analysis for competitor tracking
- Developed integer linear programs for fleet assignment and facility location problems using JuMP.jl
- Automated detection of multiple accounts for use in analyses in pure SQL for more accurate reporting
- Developed applications calculating catchment areas based on walk/drive time distances using OSMnx
- Geocoded text addresses for use in GeoSpatial analyses using Nominatim
- Scraped data from external sources for data enrichment using Selenium

Tipico

Data Scientist

St. Julian's, Malta

Jul 2018 - Oct 2020

- Developed scoring systems for retail branch performance and customer risk indicators
- Curated external data sets such as sociodemographics for use in location analysis projects
- Developed common Python libraries for use in other teams and data science models
- Applied machine learning for locating key areas of interest for network expansions
- Developed Spark applications for use in match recommender systems

Tipico

Data Analyst

St. Julian's, Malta

Sep 2017 - Jun 2018

- Developed data integrations and quality checks for multiple systems in Python
- Designed interactive dashboards for analysing data in one central location using Plotly Dash
- Automated various manual reports in systems where reporting capabilities were not available
- Developed a web application to automate group wide headcount budgeting using Flask

EDUCATION

Malta College of Arts, Science, and Technology

B.Sc. (Hons) Software Development

Malta

Sep 2014 - Jun 2017

SKILLS

Spoken Languages:	English (C2), Maltese (C1), Italian (B2), German (A1)
Programming Languages:	Python, Julia, Bash, Java, C#
Libraries:	Pandas, Numpy, Scikit-Learn, Matplotlib, JuMP.jl, Uber H3
Analytics:	SQL, Excel, IPython, Dash, PostGIS
Web:	HTML/CSS/JavaScript, Flask, Django
Other:	AWS, Amazon Redshift & Athena, Git, Docker, Spark, Jenkins, Airflow

PROJECTS

Predicting Market Turnover *Python, Scikit-Learn* <https://github.com/gabegm/Predict-Market-Turnover>
Candidate test to predict market turnover for the Bundesliga season 17/18

Headcount Planning and Management System *Python, Flask*
<https://github.com/gabegm/Headcount-Planning-Management-System>
Create effective hiring plans, identify gaps, and align with financial performance and business goals

Data Driven Automated Algorithmic Trading *Python, Zipline*
<https://github.com/gabegm/Data-Driven-Automated-Algorithmic-Trading>
Designed and automated an algorithm to trade the stock markets for my bachelor thesis project

REFERENCES

Christoph Haene, Tipico (41) 78 764 75 73
Lead Data Scientist Jul 2018 - Apr 2019

Kristina Cebatko, Tipico (356) 99 108 747
Product Manager Sep 2019 - Oct 2020

Jimmy Borg, Tipico (356) 25 707 000
Head of Data Jul 2018 - Oct 2020