Max P. L. Mueller

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Profile

Dedicated and analytical Quantitative Finance student with a solid foundation in business informatics. Currently, deepening my quantitative skills by developing algorithms and the usage of mathematical models. A bilingual, international, experienced student who focuses on machine learning in the capital markets using mostly fundamental and daily equity data for developing trading strategies.

Work experience

Seven2one Informationssysteme GmbH, Vocational Training Student   September 2021 – August 2024

- Seven2one is a software company specialising in individualised IT systems for energy companies.
- Dual Studies: Joint Bachelor with trainee program, which focused on technological Sales & Consulting
- Based on a pitch and my request I was made project owner of a LLM proof of concept for internal corporate use.
- Researched and advised management on actions to take to minimize churn in the case of an M&A.
- While assisting the sales team, I wrote a LSTM time series forecasting model to predict energy consumption.

German Federal Army, Corporate   October 2020 – August 2021

- Completed a voluntary service in the German federal Army in a mountain infantry unit.

Education

UCD Smurfit Graduate Business School, MSc. Quantitative Finance   2024 - 2025

- Guest student, Yale Security Analysis & Valuation
- Other Modules: Econometrics, Quant. Methods, Derivatives, Portfolio & Risk management
- Statistical Models: GARCH, ARIMA, WLR, OLS, advanced models (LSTMS)
- Participant in the Global Leadership program (GLP)

DHBW Karlsruhe, BSc. Business Informatics (86%)   2021 - 2024

- Joint Bachelor with the traineeship at Seven2one.
- Thesis: "The human and systematic dimensions of Large Language Model Integration"
- Best of class in voluntary course "Behavioural Finance" & Class ambassador

Key Skills

- Back testing
- Adjusted Present Valuation
- Teamwork & Leadership
- Communication & Presentation
- Excel, PowerPoint, Office 365
- Confluence, Jira

- Python (active)
- Java (not active)
- C++ (currently learning)

- German (native)
- English (Cambridge C1)
- French (A2)

Interests & hobbies

- Currently completing a Data Analytics course and improving my French to B1.
- Regularly weightlifting and swimming
- Holiday sailing and watching tennis.