

Maximilian Adam

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Objective

Highly skilled and motivated student with a strong background in financial modelling, data analysis, and machine learning. Seeking to leverage analytical skills and technical expertise to contribute to high-level financial research and decision-making in Industry.

Education

Imperial College London, London, England

Master of Engineering in Electronic and Information Engineering *October 2022 – July 2026*

Relevant Coursework: Information Processing, Signals, Discrete Mathematics

Highgate School, London, England

A Levels: Further Mathematics A, Physics A*, Chemistry A*, Mathematics A** *July 2022*

Experience

Data Analyst Intern, Williams Grand Prix Engineering, Grove, England

June 2023 – July 2023

- Developed and implemented tool to visualise wind tunnel data on key metrics.
- Improved and implemented real time functionality for tool used to move Simulation data into excel.
- Helped in the creation of a platform used in the production pipeline.

Machine Learning Intern, Tekever, Southampton, England

August 2023 – September 2023

- Using Domain adaptation techniques, improved model performance by around 15%.
- Conducted extensive data analysis using Python and fiftyone, including data cleaning, transformation, and visualization.

Skills

- Programming Languages: Python (Pandas, NumPy, scikit-learn), C++, MATLAB, SQL
- Tools: Alpaca, Excel (VBA), LaTeX
- Areas of Expertise: Time series forecasting, Statistical Analysis, Machine Learning

Projects

Numerai team, Imperial College London

October 2023 – Present

- Active member of the Numerai Team, a society focused on developing machine learning models for stock market predictions.

Electricity Price forecasting using gradient boosting, QRT Hackathon

November 2023

- Devised a Gradient Boosting model for predicting electricity futures prices, employing advanced feature engineering and data preprocessing techniques.

Professional Affiliations

- Student Member, Institution of Engineering and Technology (IET)