

MATTHEW POTTS

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Experience

Lloyds Banking Group

London, UK

Software Engineer

July 2024 - Present

- Extended C# client interface to support on-demand risk sensitivity calculations, personally commended in public by most senior trader for delivering a “genuine improvement in daily risk management”.
- Led productionisation of a Python- and Scala-based batch-processing application leveraging Spark, extending scalable data pipelines for critical regulatory computational workflows.
- Rearchitected parallel compute orchestration from 3rd-party solution to Azure Batch.
- Developed scripts to facilitate migrating database over 1 terabyte in size to Azure SQL.

Junior Software Engineer

April 2022 - June 2024

- Collaborated with quantitative researchers and business analysts to support new analytical initiatives.
- Presented to over 40 colleagues on team’s latest initiatives at 4 separate platform floor talks.

Team Up

London, UK

Volunteer Maths Teacher

April 2023 - May 2024

- Taught class of 12 underprivileged children, improving results in core topics by an average of 3 grades.

Projects

crossborder-code

<https://www.crossbordercode.com>

- Portfolio site presenting original research in topics at the intersection of international finance and technology, including applications of artificial intelligence in macroeconomic analysis.

getBISy

<https://pypi.org/project/getBISy/>

- A Python package for programmatically extracting Bank for International Settlements datasets.
- Transforms XML payloads from Stats API endpoints, enforcing type safety via suite of custom enums.

Education

University College London

September 2020 – July 2021

MSc Finance

Pass with Distinction

- Core programme content consisting of quantitative finance, machine learning, and Python.
- Python scripting for data processing and regression analysis as part of quantitative research project.
- Awarded a place on the Dean’s List for outstanding achievement as one of cohort’s top 5% of performers.

The London School of Economics and Political Science

September 2019 – July 2020

MSc Economics

Pass with Merit

- Quantitatively rigorous MSc with emphasis on mathematical foundations of core economic theory.

Tsinghua University

September 2018 – July 2019

Non-degree Programme in Mandarin Chinese

Beijing, China

Durham University

September 2014 – July 2018

BA Economics

1st Class Honours

- Led team of 12 analysts writing for a 2000+ readership as Editor of Finance Society Market Report.

Skills

Programming: Python, C#, SQL, Scala

Technology: Microsoft Azure, GCP, Git, Jenkins, .NET

Domain Knowledge: International Finance, Macroeconomics, Machine Learning

Other

Bank of England Target 2.0 National Finalist: Presented recommendations on UK monetary policy to leading figures in economic policy and journalism, ranking in top 5 among over 200 participating schools.

Foreign Languages: Intermediate proficiency in both Mandarin Chinese and German.

Sport: Regular marathon runner, competing in at least 1 event every year.