

# Samraj Singh

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## EDUCATION

### University of St Andrews

*MSc Applied Statistics and Datamining*

St Andrews, UK

Sep. 2022 – Nov. 2023

- Achieved: Distinction
- Relevant Modules: Time Series Analysis, Multivariate Analysis and Advanced Data Analysis

### University of St Andrews

*BSc (Honours) Financial Economics*

St Andrews, UK

Sep. 2018 – Jun. 2022

- Achieved: Second-class honours, Upper Division (2.1)
- Relevant Modules: Corporate Finance, Asset Pricing, Portfolio Management, Advanced Econometrics, Economic Fluctuations, Intermediate Macro and Microeconomics

### The Glasgow Academy

*Scottish Highers and National Fives*

Glasgow, UK

Aug. 2011 – Jun. 2018

- Scottish Highers: Maths (A), Physics (A), Chemistry (A), English (A), Geography (A)
- National Fives: 7 A's (Incl. Maths & English)

## PROFESSIONAL EXPERIENCE

### J.P. Morgan

*Equity Research Summer Analyst – Sector Rotations – ESG, Telecoms, Capital Goods*

London, UK

Jun. 2022 – Aug. 2022

- Created an ESG Diversity, Equity, & Inclusion framework for a firmwide project as the 1<sup>st</sup> ever ESG intern.
- Analysed Social & Governance characteristics of 20 largest asset managers collating over 200 data points.
- Leveraged Excel and deep research to evaluate the impact of a new German telecom pricing plan on the top 4 market leaders, using a variety of datasets.
- Participated in Deutsche Telecom earnings call, collated research, and updated 4 financial models post-earnings.
- Launched an initiation on Watches of Switzerland, analysed 5 years of historical information and forecasted statements until 2025, conducted a DCF valuation, and presented the report to 30+ analysts.

### Systematica Investments

*Quantitative Research Intern*

London, UK

Aug. 2021 – Aug. 2021

- Calculated returns, volatility, and risk-adjusted returns with 5041 observations over 40 assets using Excel, leveraging data tables to minimise kurtosis.
- Analysed market data using Python on 40 assets and created a matrix to solve optimal portfolio weightings.
- Structured an optimal portfolio on Python and maximised Sharpe Ratio given market data, graphing optimal portfolio returns against an equally weighted benchmark.
- Conducted meetings with cross-functional stakeholders in the Legal, Research and IT departments to enhance understanding of hedge fund operations and quantitative trading strategies.

## LEADERSHIP EXPERIENCE

### Hatai - Music & Event management agency

*Founder*

St Andrews, UK

Jun. 2019 – Sep. 2021

- Founded a music collective and organised 6 events with 1,000+ people in attendance across 3 cities in the UK.
- Devised the growth strategy and a lean business model to generate a total of £6,000 of revenue.
- Leveraged direct email marketing as an acquisition channel and increased sign ups by over 100%.
- Negotiated a partnership with UNICEF on Campus to co-host an event and raised a total £1,500 for charity.

### Enactus St Andrews

*Head of Finance and Fundraising*

St Andrews, UK

Jul. 2021 – Jan. 2022

- Oversaw all finance and fundraising activities, managing finances for over 4 projects consisting of 50+ members.
- Trained 2 committee members joining the finance and fundraising team to optimise financial processes and create annual expense budgets.

## SKILLS AND INTERESTS

**Technical Skills:** Microsoft Office Suite, Python, Stata, R, Mathematica, SQL, Power BI

**Certifications:** Citigroup Investment Banking Virtual Internship, Corporate Finance Institute Excel Course, J.P. Morgan Markets Virtual Internship, Avado Fast Futures Programme (3-month Virtual Internship), DofE (Silver)

**Languages:** English (Native), Punjabi (Basic Proficiency)

**Interests:** Scuba Diving (PADI Certified), Cooking (Host tasting menus), Skiing (French Alps and Colorado)

**Volunteering:** Tutored 2 underprivileged elementary school children, Undergraduate mentor (St. Andrews)