

MO HEIDARI

Systematic Trader and Macro Analyst

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PROFESSIONAL SUMMARY

MSc Financial Economics (Distinction) graduate with equity research experience in fundamental analysis, DCF and comparable company valuation. Builds rule-based MQL4/MQL5 trading tools and trades US index markets in the New York session. Runs a live Python macro dashboard of US yields and ISM data.

KEY SKILLS

- **Equity research:** Fundamental company and sector analysis, financial statements and peer data, DCF and comparable company valuation, sensitivity testing, earnings monitoring, written investment reports and recommendations
- **Trading:** Systematic strategy design, rule-based execution, backtesting, risk and drawdown control, trade record keeping, US index markets (Dow Jones)
- **Macro and research:** US Treasury yield curve, investment-grade and high-yield credit spreads, ISM/PMI, CPI, central bank policy
- **Programming and data:** Python (pandas, NumPy, matplotlib, Streamlit), MQL4/MQL5, VBA, MATLAB, STATA; data validation; automated testing
- **Platforms and tools:** Bloomberg Terminal, MetaTrader 5, NinjaTrader, Quantower; Excel (advanced modelling, pivot tables, macro-enabled workbooks), Word, PowerPoint

EXPERIENCE

Sales Advisor (Part-time) | ARKET, London Jul 2026 – Present

- Work across shop floor, tills, stockroom and deliveries in a busy central London store.

Independent Trader | Self-employed, small trading team Oct 2024 – Present

- Trade US index markets, primarily the Dow Jones, during the New York session as part of a small team working to a shared written rulebook.
- Designed, documented and backtested a rule-based intraday framework and built MQL4/MQL5 tools and data-quality checks for it.
- Built the strategy, rules and tools through self-directed study; coordinate daily market preparation and review and keep structured records of decisions and outcomes.

Equity Analyst Intern | Farabi Financial Group Jun 2023 – Sep 2023

- Conducted fundamental equity research across oil and gas, banking and financial institutions, supporting valuation work and buy, sell and hold recommendations.
- Built DCF and comparable company models in Excel and wrote investment reports, presenting findings to senior analysts and portfolio managers.
- Screened, retrieved and validated company and market data on Bloomberg Terminal, and monitored earnings releases, central bank policy, CPI, PMI and yield curve movements.
- Automated recurring data extraction and screening tasks in Python, reducing manual work and improving the consistency of research inputs.

Engineering Intern | Fajr Energy Company Oct 2022 – Nov 2022

- Analysed reliability and operational risk data for industrial systems, identifying patterns relevant to equipment lifecycle management.
- Reviewed technical documentation and maintenance records, reaching defensible conclusions from incomplete real-world data.

SELECTED PROJECTS

Equity Valuation — ExxonMobil and HSBC Oct 2024 – Nov 2024

- Carried out full fundamental analysis of two large-cap companies from different sectors, sourcing financial statements, peer data and market pricing through Bloomberg Terminal.
- Built DCF and comparable company models in Excel with clearly stated assumptions and sensitivity testing, factoring in the energy transition (ExxonMobil) and the interest rate environment (HSBC).
- Issued an investment recommendation for each company based on the valuation work.

Macro Dashboard | Python, Streamlit Nov 2024 – Present

- Built and maintain a macro dashboard whose live app currently shows the US Treasury yield curve and ISM Manufacturing signals. Further modules (credit spreads, ISM Services, commodities) are in development.

- Deployed the app publicly with Python and Streamlit, using data from FRED, Treasury.gov and ISM releases: mo-macro-dashboard.streamlit.app.
- Validated every figure against official sources, checking more than 28,000 yield values with 0 mismatches, and covered the code with automated tests.
- Update the dashboard on each data release and write short summaries of what the combined picture implies for the economic cycle.

EDUCATION

MSc Financial Economics (Distinction) | City, University of London Sep 2024 – Sep 2025

Thesis: Momentum in Financial Markets — time-series and cross-sectional momentum across equities, commodities, FX and bonds, tested in Python with regression and hypothesis testing. Modules: Asset Pricing, Econometrics, Derivatives, Portfolio Theory, Macroeconomics.

BSc Mechanical Engineering | Amirkabir University of Technology Sep 2019 – Oct 2023

Strong quantitative and analytical foundation, with applied modelling and data interpretation skills transferable to finance.

OTHER

- **Certifications:** CFA Level 1 Candidate (sitting February 2027); Bloomberg Market Concepts; Bloomberg Spreadsheet Analysis
- **Languages:** Persian (native), English (fluent)