

# FRANKLIN IZUCHUKWU CHUKWUEMEKA

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## About Me:

A passion for applying quantitative analysis and AI solutions to complex financial challenges. I possess a strong foundation in finance combined with a profound proficiency in programming languages and machine learning.

## Experiences:

Financial Analyst (Co-Founder) - Quantum Nexus Capital [ 2024 – Current ]

- Leading a team of analysts discussing fundamental factors affecting prices and geopolitical events.
- Developing innovative and lucrative strategies using both technical and fundamental analysis.
- Building trading bots with Python and C# to simulate and evaluate mechanical strategies.

Data Analyst - Tipline Environmental Services [ 2020 – 2024 ]

- Collected and managed diverse environmental data from sensors, databases, and surveys.
- Visualized findings through charts, graphs, and maps for effective communication.
- Utilized Geographic Information Systems (GIS) for spatial analysis.

Software Developer - Basexcel Technologies [ 2017 – 2020 ]

- Proficient in Python and JavaScript web frameworks (Django, React.js).
- Familiar with deploying and managing applications on cloud platforms like AWS and Azure.
- Experienced in API development and integration, including RESTful APIs and GraphQL.

## Education:

Master's Degree in Quantitative Economics - University of Tartu, Estonia [ 2022 – 2024 ]

Master's Degree in Banking and Finance - Nnamdi Azikiwe University [ 2019 – 2021 ]

## Achievements and Awards:

- Increased QNC portfolio by 150% using strategic algorithms and proactive risk management techniques.
- My thesis was discussed as one of the best theses in the Quantitative Economics MA program of 2024.
- Completed the Automated Survey Analyzer that assists real-life projects of non-technical researchers.
- Awarded a merit-based and full-tuition scholarship at the University of Tartu in 2022.
- Among the top 5 best graduating students in the Banking and Finance Department of 2016.

## Skills and Attributes:

- Technical Skills - Python, C#, C++, JavaScript, Stata, R, Figma, Excel, DBMS, Power BI.
- Writing and presentation skills demonstrated through experience in preparing economic reports.
- Communicating effectively with people from diverse cultural backgrounds, showing cultural sensitivity.

## Hobbies:

Board games, watching football, following geopolitical global events.

## Projects:

Automated Survey Analyzer

Links: [Article](#) [Source Code](#)

Culture, ESG Performance and the Environmental Kuznets Curve

Links: [Article](#) [Source Code](#)

UI Tests Using Selenium Framework

Links: [Source Code](#)

Heterogeneity and Robustness of the Kuznets Curve

Links: [Source Code](#)

Sentiment Analysis of Movie Reviews

Links: [Article](#) [Source Code](#)

Time Series Analysis of Performance of Environmental-Friendly Stocks

Links: [Article](#) [Source Code](#)