


Isaac Emmanuel

Quant Developer (Entry-Level)

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Professional Summary

Aspiring Quant Developer with strong foundation in **Mathematics, Computer Science, and Algorithmic Trading Systems**. Experienced in Python, C++, and Rust for building **trading bots, backtesting frameworks, and financial modeling tools**. Active on LeetCode with **300+ algorithmic solutions**. Currently exploring risk management systems and statistical arbitrage.

Core Skills

Programming: Python, C++, Rust
Finance: Algorithmic Trading, Risk Modeling, Backtesting
Data Science: Pandas, NumPy, scikit-learn, TensorFlow
Quant Tools: Backtrader, QuantLib, PyAlgoTrade
Mathematics: Probability, Linear Algebra, Statistics

Key Experience

Founder & Developer – Nsisong Labs (2016 – Present)

- Built algorithmic trading systems and financial modeling tools
- Developed automated trading bots for various markets
- Created backtesting frameworks for strategy validation
- Implemented risk management systems

Freelance Developer

- Delivered 120+ projects including financial automation tools
 - Built custom trading algorithms and market analysis tools
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Selected Projects

Deriv MT5 Bot – Automated trading bot for synthetic markets (*GitHub*)
ICT Model Backtester – Framework for strategy testing (*GitHub*)
Financial Data Scraper – Web scraping + analytics for forex & crypto (*GitHub*)
Risk Management System – Portfolio risk assessment tool (*GitHub*)

Education

B.Sc. Mathematics & Computer Science – *NOUN* (2022)
B.Agric. Pasture & Range Management – *FUNAAB* (2017)

Achievements

- 300+ algorithmic solutions on LeetCode (strong foundation for quant algorithms)
- Built multiple trading bots and financial modeling tools
- Strong mathematical background with formal education in Mathematics
- Active contributor to algorithmic trading communities