



King Lang

Quantitative Technologist

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SUMMARY

Motivated Quantitative Analyst committed to blending analytical skills with innovative trading strategies. Three years of experience in algorithmic development and data analysis fuel a confident approach towards solving complex financial problems. Collaboration drives success; empowering peers enhances performance across the board. Emphasizing adaptable problem-solving approaches leads to meaningful impacts within trading operations. Passionate about leveraging low-level programming skills, particularly in C++, to create efficient algorithms, while continuously striving for personal and professional growth.

EXPERIENCE

Quantitative Analyst

Tech Innovations Group 📅 June 2024 - Present 📍 Chicago, IL

Responsible for developing advanced trading algorithms aimed at enhancing market efficiency on a daily basis. Key contributor to projects analyzing market conditions, facilitating deeper insights into trading strategies. Building collaborative relationships with team members fosters creative problem-solving techniques. Consistently engages in backtesting new models to assure effective trading methodologies are implemented.

- Engineered and deployed C++ trading algorithms, achieving notable efficiency improvements in daily operations.
- Partnered with diverse teams to analyze and interpret complex market data effectively.
- Executed rigorous backtesting phases for each algorithm, refining strategies based on empirical feedback.

Junior Quantitative Developer

Future Financial Solutions 📅 July 2022 - May 2024 📍 Chicago, IL

Assisted in creating software tools that enhance trade execution processes. Emphasis placed on collaborating with cross-functional teams allowed impactful solutions to emerge. Increased awareness of quantitative methods through active involvement in development cycles.

- Designed user-friendly applications supporting document workflows across trading sectors.
- Performed detailed analyses producing actionable recommendations based on found data.
- Contributed regularly in team meetings focused on innovating the functioning of trading processes.

Internship Project

University Projects 📅 September 2021 - June 2022 📍 Springfield, IL

Engaged in extensive research project aimed at simulating effective trading strategies. This experience helped gain a firm understanding of both theoretical concepts and their practical application. Collaborated closely with classmates to innovate beyond traditional boundaries.

- Developed simulation models utilizing C++, demonstrating adeptness with low-level programming.
- Implemented various data structures adeptly managing multiple datasets throughout the simulated environment.
- Analyzed project reflections collectively to refine and adapt the outcome toward proficient self-improvements.

LEADERSHIP & AWARDS

- Top Emerging Leader Award for Budget Management (2023)
- Departmental Recognition for Innovative Work in Trading Strategy Analysis (2025)

EDUCATION

Bachelor's Degree in Computer Science

STRENGTHS

- 💡 **Creative Problem Solving**
Transformed challenging data sets into actionable insights, garnering praise from peers and leaders.
- 👥 **Team Collaboration**
Built trusting relationships with team members, ensuring seamless information exchange during projects.
- 🔄 **Adaptability**
Excelled in shifting requirements mid-project by realigning focus on necessary deliverables promptly.
- ✓ **Attention to Detail**
Consistently ensured all facets of work met top standards, resulting in fewer revisions needed.
- 🔍 **Analytical Thinking**
Utilized critical thinking extensively, allowing swift identification of trends and strategic adjustments.

SKILLS

C++ Programming

Algorithm Development

Data Analysis Financial Modeling

Team Collaboration

Problem Solving Market Analysis

Critical Thinking

Project Management

Simulation Techniques

Python Programming

Statistical Modelling

Software Development

Risk Assessment Documentation

Performance Monitoring

LANGUAGES

English Native

Spanish Proficient

MY CAREER



● Quantitative Analyst at Tech Innovations Group (2 Years)

● Junior Quantitative Developer at Future Financial Solutions (1.8 Years)

● Internship Project at University Projects (9 Months)

University of Illinois 🎓 GPA: 3.7 📅 2022 📍 Champaign, IL

Coursework: *Data Structures, Algorithms, Financial Modeling, System Design*

CERTIFICATIONS

- Certified Financial Analyst Level I 📅 2025
- C++ Certified Associate Programmer 📅 2026

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, Java
- **Modeling Software:** MATLAB, R, SAS
- **Data Analysis Tools:** Excel, Tableau, Power BI
- **Database Technologies:** MySQL, MongoDB, Oracle
- **Version Control Systems:** Git, SVN, Mercurial
- **Development Frameworks:** Django, Flask, Spring
- **Statistical Analysis Software:** Stata, SPSS, PyTorch
- **Trading Platforms:** MetaTrader, NinjaTrader, ThinkOrSwim
- **Cloud Computing:** AWS, Azure, Google Cloud
- **Machine Learning Libraries:** TensorFlow, Scikit-learn, Keras

PROFESSIONAL AFFILIATIONS

- Member of Quantitative Finance Society, fostering collaboration among future financial analysts.
- Active participant in local Coding for Good initiatives, helping underrepresented students learn coding.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST