



# King Lang

## Quantitative Technologist

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### 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

### 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

## LANGUAGES

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English Native

Spanish Proficient

## MY CAREER

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● 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

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

## TECHNICAL SKILLS

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- **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

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- 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

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

## REFERENCES

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AVAILABLE ON REQUEST