MENG LI

Colorado Springs CO|719.493.7688 | meng.li.cyber@gmail.com | www.linkedin.com/in/meng-li-cyber

PROFESSIONAL SUMMARY

Mathematical Theorist and **Data Strategist** with a deep foundation in **theoretical mathematics** and its applications. Extensive experience contributing to high-impact projects with top-tier **U.S. intelligence entities**, leveraging **predictive analytics** and **statistical methodologies**. Holds an active **TS/SCI + CI poly clearance** and demonstrates **bilingual** proficiency in English and **Chinese**. Skilled in **Python, C++,** and a broad array of **data analytics tools**. Eager to pioneer advancements in the realms of **quantum computing**, **machine learning**, and **AI**, marrying rigorous mathematical understanding with technological innovation.

TECHNICAL & PROFESSIONAL SKILLS

Machine Learning & Predictive Modeling: Proficient in designing and implementing models tailored for financial and cybersecurity scenarios.
Quantitative Data Analysis: Strong foundation in mathematical and statistical analysis, driving informed decision-making and risk mitigation.
Programming: Skilled in Python, C++, Visual Basic, C#, Matlab, and Assembly language.
Cybersecurity: Comprehensive knowledge in penetration testing, network hardening, IDS/IPS deployment, and policy development.
Financial Modeling & Analysis: Experienced in real-time bond valuation, risk assessment, and advanced financial calculations.
Project Management: Demonstrated leadership in managing cross-functional teams in both financial and military environments.
Research & Development: Proven expertise in developing bond valuation models, financial software, and cyber analytical tools.
Trading Platform Systems: Proficient with Bloomberg LP and Think or Swim.
Risk Assessment: Accomplished background in financial and cybersecurity risk analysis and mitigation.
Valuations & Pricing: In-depth knowledge of Option-Adjusted Spread (OAS) based valuations and intra-day pricing methodologies.
Policy Implementation & Compliance: Experience in devising and enforcing policies in both finance and cybersecurity domains.
Language Proficiency: Fluent in Chinese, enabling strategic communication and analysis in a globally recognized critical language.

PROFESSIONAL EXPERIENCE

LEIDOS - Aurora, CO   **2022 – Present**
Chinese Language and Cultural Analyst

- Reviewed technical and general Chinese sources to produce accurate, idiomatic English summaries, translations, and transcriptions.
- Efficiently processed extensive Chinese material to extract critical intelligence elements and essential information.
- Delivered detailed reports bolstered by profound cultural understanding, enhancing the contextual relevance of the findings.
- Utilized advanced language software programs and information systems, and actively engaged in forensic processing.

UNITED STATES ARMY - Various Locations   **2013 – Present**
Cyber Security Analyst

- Managed a dedicated team of 6 in a deployed environment, directing mission-critical cyber operations at the Allied Strategic Command Center.
- Spearheaded robust cybersecurity measures, reinforcing the integrity of a multinational operational hub.

- Initiated proactive threat hunting, identifying and countering potential cyber risks to ensure operational readiness.
- Delved into intricate network traffic analysis, continually evaluating the security posture of the operational network.
- Championed the deployment of IDS and IPS across multiple network layers, amplifying real-time threat detection capabilities.
- Formulated and propagated a comprehensive network policy, delineating best practices for the network administration cadre.
- Conducted extensive tests on over 120 commercial and 20 government systems, pinpointing and documenting vulnerabilities.
- Furnished over 40 meticulous reports recommending system hardening measures, driving the fortification of operational cybersecurity.
- Innovated offensive cyber analytical tools, both in software and hardware, pushing the boundaries of cyber operation capabilities.
- Recognized as a Distinguished Honor Graduate from the US Army Cyber Center of Excellence in 2021.

ANDREW KALOTAY ASSOCIATES - New York, NY   2006 – 2013

Data Analyst
- Analyzed over 1,800,000 Muni bond trade prices, evaluating the robustness of the tax-exempt bond pricing system.
- Leveraged in-depth data analytics to provide debt management, risk analysis, and refunding insights for major U.S. utility companies.
- Examined and forecasted forward exchange rates using 3+ years of historical data.
- Retrieved and analyzed historical U.S. treasury monthly rates (1960-2012) to validate independent portfolio management performance.
- Conducted thorough fixed income risk evaluations, including scenario horizon analysis, key rate durations, effective duration, and effective convexity.

Financial Software Developer
- Developed an Excel-based software solution to convert Municipal callable yield curves to bullet curves, introducing efficiencies and strengthening data accuracy.
- Integrated the BondRisk Excel-based portfolio analysis tool with the BondOAS library, enhancing the firm's fixed income valuation capabilities.
- Pioneered advanced fixed income analytical tools across diverse platforms, ensuring optimal data accuracy for varying investment strategies.
- Created a Municipal advance refunding calculator in collaboration with BondBuyer, a prominent Municipal finance news publication.

Project Manager & Partnership Collaborator
- Collaborated with prominent investment banks on debt analyses for over 60 U.S. utility companies, offering expertise on fixed income products and related derivatives.
- Delivered daily pricing on over 4,000 agency securities utilizing option-adjusted spread (OAS) methodologies, reinforcing the firm's analytical prowess.
- Spearheaded research on intra-day pricing methodologies for the Muni ETF in 2008, further strengthening the firm's competitive edge in fixed income markets.

NEW YORK UNIVERSITY, SCHOOL OF ENGINEERING - Brooklyn, NY   NY2002 – 2006

Academic Resource Coordinator
- Orchestrated tutoring schedules for over 300 classes, ensuring alignment with the University's policy standards and aiding professors in the timely and compliant preparation of assessments and examinations.

- Spearheaded review lectures across all undergraduate mathematical courses, enhancing student comprehension and contributing to improved institutional retention rates.
- Strategically directed department tutors to enhance tutoring session efficiency, resulting in a commendable 25% reduction in resource utilization.

EDUCATION

B.S. in Mathematics | Statistics & Financial Modeling
NYU Tandon School of Engineering, Brooklyn, NY |2005

M.S. in Mathematics | Functional Analysis & Stochastic Processes
University of Colorado, Colorado Springs, CO | 2018

CERTIFICATIONS

CompTIA Security+, 2022 | **Cisco Certified Network Associate** (CCNA), 2021
Virtual Hacking Lab Penetration Testing Course, 2021 | **Actuary**, 2006

AWARDS

Distinguished Graduate, U.S. Army Cyber School | Army Achievement Medal, U.S. Army (4x)
Dean's List, NYU (5x) | Cum Laude, NYU | Outstanding Graduate Student