ZHANTAO (CHRIS) XU

(858) 262-3744 // chrisxu@nyu.edu // linkedin.com/in/chriszhantaoxu

EDUCATION

Expected 12/25   **NEW YORK UNIVERSITY**   New York, NY
The Courant Institute of Mathematical Sciences
M.S. in Mathematics in Finance
- *Coursework:* object-oriented programming (Java), penalized regression, decision trees, linear regression, Fama-French, Black-Scholes, stochastic processes, Hull-White model

09/20 - 03/24   **UNIVERSITY OF CALIFORNIA SAN DIEGO**   San Diego, CA
B.S. in Mathematics and Computer Science
- *Coursework:* vector calculus, linear algebra, probability, stochastic, data structure, system programming, data science, microeconomics, macroeconomics, accounting, project management

EXPERIENCE

07/23 - 10/23   **SHANGHAI BAOSIGHT SOFTWARE CO., LTD**   Shanghai, China
Software Engineering Intern (NSIS, SQL)
- Built platform to reduce developers' workload and tailor algorithms' functionality to different on-site needs through modularizing them, enabling interconnection of algorithm components
- Designed and created 1-click installation package in NSIS using UI control; integrated installation and configuration of common environments (e.g., MySQL, JDK, Redis, Nginx)
- Added UIs that asked users whether to start software on boot, and allowed them to freely choose to download MySQL, Java, Python, and Redis; beautified UI with nsNiuniuSkin

07/22 - 10/22   **HAITONG SECURITIES**   Shenzhen, China
Financial Analyst Intern (SQL, Excel)
- Conducted green energy industry research; did regression analysis and predictive modeling on government and market data to forecast cost-reduction trends and demand for solar energy
- Performed segmentation and predictive analysis on client data (e.g., risk profiles, total capital) using SQL; collaborated with sales team to increase client engagement by 20% on 4 roadshows
- Developed web scraping tool that extracts companies' financial statements and organizes them into Excel spreadsheets; boosted process of identifying viable investment opportunities by 10%

03/21 - 06/21   **CITIC FUTURES CO., LTD.**   Kunming, China
Marketing Management Intern (Excel)
- Analyzed futures market trend using time-series and predictive analysis for sales team to identify optimal timing for new client outreach; increased client conversion rate by ~8%
- Conducted competitive analysis of competitors' profitability ratios, transaction fees, and trading volumes; enabled firm to rectify weaknesses, boosting client acquisition and retention rate
- Evaluated clients' data (e.g., trading volumes, risk profiles); collaborated with sales team to recommend tailored futures contracts accordingly, resulting in 15% revenue increase that quarter

PROJECTS

01/23 - 03/23   **UNIVERSITY OF CALIFORNIA SAN DIEGO**   San Diego, CA
NYC Parking Ticket Database Using Internal Computer Memory (C)
- Created system to manage parking ticket database using pointers and self-referential structure
- Built memory runtime with allocation/deallocation; debugged with Valgrind for memory leaks
- Designed system using efficiency of hash table and 2-dimensional linked lists, which enabled users to locate any specific vehicle's ticket information directly while saving 50% memory

09/22 - 12/22   **Bitwise Operation Cipher (Assembly)**
- Wrote program that encrypts and decrypts any type of file using bitwise operation
- Optimized program by allowing users to choose encrypt or decrypt mode and open files of key

COMPUTATIONAL SKILLS / OTHER

Programming Languages: Python, Java, C, C++, MATLAB, SQL, Assembly
Languages: English (fluent), Mandarin (native)