

JINGYAO (ALICE) GUO

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EDUCATION

NEW YORK UNIVERSITY

New York, NY

The Courant Institute of Mathematical Sciences

M.S. in Mathematics in Finance (expected Dec 2022)

- **Expected Coursework:** machine learning, regressions & time series, optimization, stochastic calculus, Black-Scholes & Greeks, Monte Carlo Simulation, interest rate & Fx model, market microstructure

NEW YORK UNIVERSITY SHANGHAI

Shanghai, China

Bachelor of Science in Mathematics (Sep 2016 - May 2020)

- **Coursework:** stochastic process, Ito Lemma, linear algebra, numerical analysis, probability, statistics, data structure (Python), object-oriented programming, differential equations
- **Honors:** Dean's List, Freshman Scholarship

EXPERIENCE

MAERSK LINE (CHINA) LOC CO., LTD. (largest shipping company worldwide) Shanghai, China

Finance Business Partner Assistant (May - Aug 2019)

- Led project which saved \$1.5 mm from the cost of wasted empty container transshipment
- Assisted in the end-to-end service delivery project which highly improved customers user experience while maintaining the cost
- Updated and processed data for regular management meetings and prepared related reports, supporting over 30 weekly meetings and three monthly meetings
- Organized team building events for more than 30 team members and managed video clipping

CHINA GREAT WALL ASSET MANAGEMENT (AUM of 43 billion) Shanghai, China

Asset Management Intern (May - Jul 2018)

- Arranged the negotiation of bad assets with real estate companies and prepared documents for contract signing
- Followed up on two bad-assets purchasing projects and locally investigated the program
- Classified two case records and filed the documents to make it easier to consult

NEW YORK UNIVERSITY SHANGHAI

Shanghai, China

Student Worker of Career Development Center (Sep 2017- May 2018)

- Assisted staff to analyze data about graduation for about 300 students
- Guided students to get familiar with CDC and helped them properly use CDC facilities

PROJECTS

NEW YORK UNIVERSITY SHANGHAI

Shanghai, China

Design Online Air Ticket Reservation System (Python, SQL, Flask) (Mar - May 2020)

- Used Python, SQL and Flask to realize an online air ticket reservation system, where customers can search for flights, purchase flight tickets and view their upcoming or past flight status.

Classical Encryption Method in Chat System (Python) (Mar - May 2018)

- Applied Bacon's and Vigenere Cipher to encode and decode the messages inside chat system

COMPUTATIONAL SKILLS/OTHER

Programming Languages: Python (NumPy, pandas etc.), SQL, Java, MATLAB, R

Software: LaTeX, MS Office, iMovie

Languages: English (fluent), Mandarin (native)

Interest: Musicals