Jing (Jenny) Xu

965 Amsterdam Ave. Apt 5B, New York, NY 10025 • 617-610-8436 • jing.xu@columbia.edu

EDUCATION

Columbia University, Graduate School of Arts and Sciences New York, NY

Master of Arts in Mathematics of Finance Dec 2017 (Expected)

Relevant courses: Stochastic Processes, Time-Series Modeling, Hedge Funds Strategies and Risk, Numerical Methods

Boston College, Morrissey College of Arts and Sciences Chestnut Hill, MA

Bachelor of Arts in Mathematics and Economics, Magna Cum Laude, GPA: 3.74 May 2016

• Honors: Dean's list (2012-2016), Alpha Sigma Nu, Omicron Delta Epsilon (Economics Honor Society)

• Exams: CFA Level II Candidate, Actuarial Exam P

WORK EXPERIENCE

China International Fund Management (J.P. Morgan Chinese Joint Venture) Shanghai, China

QDII Quantitative Intern Jun 2016 – Aug 2016

• Tested a long-short portfolio strategy of Chinese large-cap stocks using Principal Component Analysis (PCA) model via R; selected effective factors by finding significant components; back-tested portfolio performance

• Developed tests for factors to attain high autocorrelation in the model; collected financial data such as P/E and weekly returns through Excel spreadsheets and tested their prediction power

• Initiatively designed VBA algorithms to evaluate risk measures such as portfolios' maximum drawdown; prepared daily risk reports on Hang Seng Indexes

Global Atlantic Financial Group (formerly Goldman Sachs Reinsurance) Southborough, MA

Summer Intern Jun 2015 – Aug 2015

• Conducted scenario analysis on inputs of actuarial models to calculate reserves and amortizations for insurance blocks

• Optimized and streamlined the data updating process by improving a reserve calculation tool via Excel; enabled senior staff to automatically retrieve corresponding reserve calculations by only updating the input tab

• Developed an overview for company's new annuity product and pitched its potential success in the market; conducted technical analysis to demonstrate the benefits of the new product in marketing material

Industrial and Commercial Bank of China Shanghai, China

Credit Risk and International Transaction Intern May 2013 – Jun 2013

• Conducted credit analysis for different companies through reviewing cashflow sheets and credit reports; categorized each company based on its performance for senior managers

• Ensured that documents were complied with the terms of the letter of credit between different departments before payment settlement

ACADEMIC PROJECTS

Foreign Exchange Carry Variant, Hedge Funds Strategies, Columbia University

• Constructed currency pairs using G10, ranked each pair with carry-to-risk ratio (interest rate differential/ exchange rate volatility), selected top 2 pairs, longed currency in the pair with high interest rate and shorted the other

• Optimized the portfolio using mean-variance optimization instead of the equal-weighting method in standard carry trade, improved Sharpe ratio from 0.37 to 0.75

• Developed a calculation tool to approximate daily P&L using forward and spot rates to avoid using the bonds of different countries to avoid coupon calculation

Pairs Trading Strategy, Computational Investing, Boston College

• Implemented a mean reversion strategy by finding cointegrated stocks in the energy sector using the Dickey-Fuller test to test stationary via MATLAB

• Found the price range of the stock pairs, purchased or shorted stocks at large deviations of price pairs

• Improved the strategy by setting a standardized range on price movements to control the timing; optimized the condition over time to prevent overtrading

SKILLS

Programming: C++, Python, MATLAB, R, Stata, Excel/VBA, Bloomberg, Latex

Languages: Mandarin, conversational French

Interests: Theatre, Piano, Writing