

Hanying Liu

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EDUCATION

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| Brandeis University International Business School Master of Science in Finance (STEM Designated); GMAT 750; GPA: 3.35 <i>Coursework:</i> Computer Simulations and Risk Assessment (Python), Excel with VBA, Security Analysis, Fixed Income Securities, Options and Derivatives, Financial Modeling, Accounting and Financial Statement Analysis, Corporate Finance, Investments | Waltham, MA 08/2016 - 01/2018 |
| Zhongnan University of Economics and Law (ZUEL) Bachelor of Science in Economics; GPA: 3.62 (Certified by World Education Services) <i>Coursework:</i> Econometrics(STATA), Macroeconomics, Microeconomics, International Economics, Financial Engineering | Wuhan, China 09/2012 - 07/2016 |

EXPERIENCE

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| Brandeis University International Business School Consulting Field Project, Kensho Technologies <ul style="list-style-type: none">Generated 8 trading strategies with average 10% extra returns; built <u>regression models</u> to generate trading strategiesConducted research on how M&A deals affect the stock market; analyzed economic regime change to explain theoriesCleaned, manipulated, and merged 24,000 M&A data using R; increased the efficiency from 2 hours to 10 secondsInterpreted and presented the algorithmic model on Boston Venture Café Fintech Convention as the only team in IBS | Waltham, MA 06/2017 - 09/2017 |
| Fountain Financial, LLC Business Analyst Intern <ul style="list-style-type: none">Designed the product based on industry research and customer market analysis; analyzed <u>business strategies</u>Conducted market research, competitor analysis, and SWOT analysis; coordinated different teams' collaborationLed a team of 5 to design the functionality details and to conduct financial data visualization using Python | Waltham, MA 06/2017 - Present |
| China Guangfa Bank, Public Finance Dept. Credit Risk Analyst Intern <ul style="list-style-type: none">Analyzed 12 corporate financial statements to evaluate credit status; completed credit and appraisal analysis reportsBuilt credit risk models to analyze the potential operational and financial risksCollected, processed, and analyzed data from loan systems; conducted field investigation on company's operations | Zhongshan, China 01/2016 - 04/2016 |

RESEARCH & VOLUNTEER

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| Machine Learning on House Price Prediction: Advanced Regression Techniques Kaggle's Research Project (Python) <ul style="list-style-type: none">Employed data mining and algorithms to accurately predict the house prices using random forest for predictive modelingManipulated 34 variables based on different distribution, applied correlation matrix, evaluated results based on RMSE | Waltham, MA 09/2016 - Present |
| Brandeis University IBS Security Analysis Project Individual Research <ul style="list-style-type: none">Manipulated corporate financial data and selected 1,500 eligible companies from 100,000 within 5 minutes using SQLCreated VBA macros to facilitate data collection; simplified the process to generate reports for stock recommendations | Waltham, MA 10/2016 - 01/2017 |
| Brandeis University IBS 3rd Annual LBO (Leveraged Buyout) Case Competition Team Member <ul style="list-style-type: none">Evaluated a leveraged buyout deal by analyzing present industry performance and adapting financial modelsConducted DCF model and debt schedules based on 4 different scenarios to propose financing optimal | Waltham, MA 10/2016 - 11/2016 |
| Quantitative Research on the Illegal Pirated Book Market in Wuhan Universities Team Leader <ul style="list-style-type: none">Led a team of 6 to research the market in 8 Sample Universities; created econometric models to evaluate the market sizeProcessed data from 1,000 questionnaires to analyze customer behaviors; interviewed 10 suspected pirated booksellers | Wuhan, China 04/2015 - 07/2015 |

OTHER

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| Computer Skills | Data Scientist Trek with R in Data Camp, Python, VBA, SQL, STATA, Excel, Tableau |
| Activities | Volunteer on Python Teaching in Health Innovative Center (Boston, 2017) Executive Board Member of Corporate Relations on the board of Ascend Brandeis Chapter (Boston, 2016) Customer Case Analysis Competition held by Manulife HK, ranked 3/12 (Hong Kong, 2015) Research on the Business Model of Chu River and Han Street (Wuhan, 2015) ZUEL Badminton Competition—third place (Wuhan, 2015) Volunteer for Wuhan Open Tennis Game in the Media Department (Wuhan, 2014) |
| Languages | English (Fluent), Mandarin & Cantonese (Native), and French (Beginner) |
| Hobbies | Piano, Singing(Rap), Chinese Traditional Cooking, Meditation, Squash, Swimming |