Yuya Wang

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EDUCATION

Brandeis University *Massachusetts, United States* *09/2022 ~ present*
- **Major:** Ph.D. in Economics, with track on Finance **Current GPA:** 3.94/4.0

Columbia University *New York, United States* *09/2020 ~ 12/2021*
- **Major:** Master of Arts in Economics **Overall GPA:** 3.74/4.0

Shanghai University *Shanghai, China* *09/2015 ~ 07/2019*
- **Major:** Mathematics and Applied Mathematics **Overall GPA:** 3.71/4.0

RESEARCH EXPERIENCE

Research on Corporate and Entrepreneurial Finance (Research Assistant) *01/2024 ~ present*
- Working on research projects with Prof. Debarshi Nandy at Brandeis International Business School.

Research on Corporate Finance Projects (Research Assistant, Team Leader) *02/ 2021 ~ 10/2022*

Supervisor: Prof. Ye Zhang (Assistant Professor in Stockholm School of Economics)

Research on the Effect of Actual Controller on Firms' Performance (Ongoing)
- Collected needed information about the change reasons of firms' actual controllers from yearly financial reports
- Used STATA to clean the data and constructed needed data set and wrote regression code to find the proxy relationship between shareholders, managers and actual controller

Two-sided Discrimination in the U.S. Entrepreneurial Finance Setting: Evidence from Lab-in-the-field Experiments
- Reformatted the survey answers to panel data by Macro in Excel and used STATA to do data cleaning and statistical analyses
- Replicated regression codes on new data set and generate regression result tables
- Did presentations on related papers routinely and gave feedback about the papers
- Found the existing two-way discrimination when founders choose the investors and related the findings with the current gender/racial combination in VC industry

Using Expenditure Data to Predict Stock Return and Get Alpha (Independent) *02/2021 ~ 05/2021*
- Constructed a new formula to estimate expected stock profit from accounting variables and wrote literature review to support the idea
- Used SAS to merge Compustat with CRSP data and generated the sorting and ranking variables
- Analyzed possible reasons for the existing problems and gave feasible solutions for future improvements

Global Value Chain and China's Foreign Direct Investment Upgrade (Research Assistant) *10/ 2018 ~ 07/2020*

Supervisor: Prof. Youde Dong (Professor in Shanghai University)
- Collected relevant papers concerning global value chains, extracted and recorded useful information to gain actionable insight for the research
- Wrote a summary about the development of GVCs and analyzed the computing method of GVCs embeddedness

Research on Evaluation Method and Application of Company Equity Value (Research Assistant) *06/2017 ~ 04/2019*

Supervisor: Prof. Yirong Ying (Professor in Shanghai University)

A New Method for the Exact Solution of Duffing Equation (Fourth Author, ISSN: 2327-4379)
- Constructed quotient trigonometric function, and used nonlinear algebraic equation set theory and method for the solution of nonlinear Duffing differential equation
- Obtained the exact solution of Duffing equation with constant variation method, and solved cubic equations and general solution of the homogeneous equation of Duffing equation with appropriate function

Dynamic Analysis of Rumor Spreading Mechanism Based on Life Cycle Model (Third Author, ISSN: 1742-7835)
- Analyzed how every acting is completed in the rumor spreading system with the approach of mathematical economics
- Established the model to analyze the influence of rumor spreading on financial market and the turbulent evolution under the time-delay effect

INTERNSHIP EXPERIENCE

Assistant of General Manager/Beijing Fellow Partners Investment Management Co., Ltd *08 ~ 09/2019*
- Assisted in the administrative affairs of General Manager as well as took and sorted out the meeting minutes
- Conducted the marketing analysis under the supervision of GM to support the company's investment projects
- Collected, sorted out and analyzed the financial statements of Shenzhen EASOU Technology, summarized its pros and cons with its competing companies, and helped create the final report

SKILLS

Programming: STATA, SAS, Python, R, C, C++, VB, MATLAB, Microsoft software

Completed PhD Courses:

Course Name	Units	Grades
ECON 303A - Advanced Macroeconomics I	4	A
ECON 301A – Advanced Microeconomics I	4	A+
ECON 213A – Applied Econometrics with R	4	A+
FIN 270A – Options and Derivatives	4	A-
ECON 304A – Advanced Macroeconomics II	4	A+
ECON 302A – Advanced Microeconomics II	4	A
ECON 311A – Advanced Econometrics I	4	A
BUS/FIN 241A - Machine Learning and Data Analysis for Business and Finance	4	A
ECON 307F – Applied Method I	2	B+
FIN 271A – Options and Derivatives II	4	A
FIN 305F – Asset Pricing	2	A+
FIN 306F – Topics in Corporate Finance	2	A

Ongoing PhD Courses:

Course Name	Units	Grades
ECON 308F – Applied Methods II	2	
ECON 312A – Advanced Econometrics II	4	
FIN 253A – Advanced Quantitative Analysis in Finance	4	
MFIN8891 – Ph.D. Seminar: Advanced Topics in Corporate Finance (Boston College)	4	
BUS 215F – Python and Applications to Business Analytics	2	

Letter of recommendation from:
Dr. Debarshi Nandy at Brandeis International Business School

Current and Future Research:

I am currently working on venture investment related to innovation in environmental and climate science. Compared to innovation in other industries such as technology, innovation in climate-tech and environmental sciences typically has a longer gestation period and higher failure probability due to the inherent uncertainties of the technologies and innovation difficulties. Since such technologies (and successful startups) will play a crucial role in future human development and sustainability, it is important to study how we can enhance early-stage financing for such innovation and support startups in these areas. While there are lots of research on firm level investments in ESG, there is considerably less research on early-stage venture funding for innovation in environmental and climate science and hence I believe this will be an interesting area to work on.

For future research, I want to focus on different areas of corporate finance, such as IPOs and how the lower number of successful IPO exists impact the public markets or future early-stage venture investment opportunities.

Reasons for wanting to attend:

The main reason I want to apply for this boot camp is that I want to gain insights from the latest research results in the entrepreneurial finance area, that will help me develop a well-rounded understanding of the trend and current academic research in the entrepreneurship and entrepreneurial finance areas. Besides, the collaborative environment encourages interaction between researchers from different disciplines. The interaction can always inspire new ideas and may even lead to collaborative research projects that bring together scholars from different areas.

Brandeis University

INTERNATIONAL BUSINESS SCHOOL

Recommendation Letter for Yuya Wang for the NBER Entrepreneurship bootcamp

Dear Colleagues,

It is my pleasure to write this letter of recommendation for Yuya Wang for the 2024 NBER Entrepreneurship bootcamp. Over the last year, I have been interacting with Yuya, given her interest in entrepreneurial finance research. Yuya took my PhD corporate finance class, in which she a replication study (extending the time period) for her final class project, which was executed really well. Her research skills were evident in how she collected and matched the required data sets and cleaned them to conduct her analysis. Her coding skills are excellent. Yuya is currently working with me as an RA and has previously also worked as a RA at Columbia on a VC project. She was also my TA for the entrepreneurial finance course that I taught last Fall. Yuya is in her second year in the PhD program at Brandeis and I believe that an early exposure to the NBER entrepreneurship bootcamp will expose her a greater amount of related literature and research and also to connect and discuss her ideas with others working in related areas of entrepreneurship. I believe that she will be a strong researcher in the entrepreneurship/entrepreneurial finance field in the years to come. I strongly recommend her for the NBER entrepreneurship bootcamp. Please let me know if you need any further information regarding Yuya's application.

Best,



Debarshi Nandy
Barbara and Richard M. Rosenberg Professor of Global Finance,
International Business School,
Brandeis University