Youran Pan

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EDUCATION

New York University   **New York, USA**
Prospective Master of Science's Degree in Mathematics in Finance   Expected: Dec 2023
Duke University   **North Carolina, USA**
Bachelor of Science's Degree in Applied Mathematics and Computational Sciences/Math   May 2022
Duke Kunshan University   **Kunshan, China**
Bachelor of Science's Degree in Applied Mathematics and Computational Sciences/Math   May 2022

- Courses: Applied Mathematics Major GPA 3.75
- Grades: GRE 170 (99 Percentile) + 170 (96 Percentile) + 4 (55 Percentile)
- Honors: Honorable Mention prize in 2021 Mathematical Contest in Modeling, First prize of undergraduate group in 2020 Mathorcup Mathematical Modeling Challenge (5% national level)

Xuzhou NO. 1 Middle School   **Xuzhou, China**
High School Graduated   June 2018

- Grades: Top 8% of the grade (1,200)
- Awards: 2nd prize of the 31st China Chemical Olympiad (Jiangsu Division), 2nd prize of the 31st China Mathematical, Olympiad (Jiangsu Division), 2nd prize of the 31st China Biological Olympiad (Jiangsu Division)

RESEARCH PROJECTS

Duke Kunshan University   **Kunshan, China**
Research Assistant, Data Science Research Center   Dec 2020 – Present

- Proficiently use Python to write web crawler to crawl first-hand data of translated books, clean up the crawled data, conduct basic data analysis, draw charts and report to the Data Science Research Center regularly
- Cooperating with Shanghai Library to sort out and merge existing data to the database which currently has 5,416 pieces of data
- As the principal data processor, writing the data processing introduction part for the research paper that is being written

Summer Research Scholars program member, Duke Kunshan University   May 2021 – Aug 2021

- Routinely conducted literature review on healthy lifestyle and childhood cancer
- Collaboratively accessed to Yinzhou, China, databases and calculated vaccine effectiveness by decision tree model

Research Assistant, Division of Social Sciences   Sep 2020 – Dec 2020

- Proficiently use Python to clean and classify first-hand patent data
- Analyze according to the figures and charts output by Python, write the analysis report using a combination of qualitative and quantitative methods, report and present the results to the Division of Social Sciences Office regularly

Peking University   **Beijing, China**
China Health and Retirement Longitudinal Study, CHARLS   July 2020 – Aug 2020

- Hosted by the National Institute of Development of Peking University, Executed by the Chinese Social Science Survey Center of Peking University and the Youth League Committee of Peking University
- Served as the Lusu team leader in the 2020 CHARLS project, and led 7 team members to conduct face-to-face questionnaire survey, interview and body measurement for residents of more than 200 households in 6 villages in Jiangsu and Shandong provinces in one month
- Completed the preliminary cleaning and analysis of the 2018 CHARLS data by Stata

China University of Ming & Technology   **Xuzhou, China**
Research Assistant, Department of Computer Science and Technology   May 2021 – Aug 2021

- Constantly engaged in literature review on social network analysis, specifically in recommender systems
- Attentively reviewed all the latest literatures about recommender systems within a week and took parts in various experiments on different systems
- Regularly attended laboratory weekly seminar
- Actively participated in the writing of research paper which is prepared to submit for publication in Pattern Recognition

PUBLICATION AND IN PROGRESS

In Progress

- ZX. Zhang, YH. Chai, CC. Sun, XB. Rui, H.M, YR. Pan, XY. Zhang (2021). A weighted symmetric graph embedding approach for link prediction in undirected graphs. Prepared submitted to Pattern Recognition, funded by NSFC (National Natural Science Foundation of China).

EXTRACURRICULAR ACTIVITIES

Wat Pho Baan Oye School   **Bangkok, Thailand**
English Volunteer Teacher   August 2019, Two weeks

- Successfully taught the basic English alphabet, 1-100 numbers, simple verbs, nouns and auxiliary verbs to 648 students in 12 classes in the second and third grades of Wat Pho Baan Oye School by singing, painting, lead reading, gaming and other forms.

ADDITIONAL INFORMATION

- Computer Skills: Microsoft Office, Python (experienced), Matlab, Julia, R, Stata (basic)
- Languages: Mandarin (native), English (business), Japanese (primary)
- Personal Profile: https://yrpan1999.github.io