

Yifei Zhang

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EDUCATION

University of North Carolina at Chapel Hill

Master of Statistics, Analytics and Data Science (STANDS)
Data Science Track

Chapel Hill, US

Sept. 2023 – Jun. 2025

University of Liverpool

Bachelor of Arts in Applied Mathematics

Liverpool, UK

Sept. 2021 – Jun. 2023

- Relevant Coursework: Statistics, Complex Functions, Metric Space and Calculus, Vector Calculus with Apps, Financial Mathematics, Operational Research, Statistical Models, Applied Probability
- GPA: 3.95

Xi'an Jiaotong Liverpool University (XJTLU)

Bachelor of Arts in Applied Mathematics

Jiangsu, China

Sept. 2019 – Jun. 2021

- Relevant Coursework: Physics, Introduction to Programming in Java, Advanced Linear Algebra, Analysis, Introduction to the Methods of Applied Mathematics, Dynamic Modelling, Introduction to Abstract Algebra

PROFESSIONAL EXPERIENCE

China Construction Bank

Data Analyst Intern

Henan, China

Jun. 2020- Sept. 2020

- Created and maintained a database in Excel to connect banks, financial companies, and investors
- Worked with a team to arrange and analyze 10 years of sub-branch bill business transaction data
- Analyzed price fluctuation of private enterprises and state-owned enterprises' acceptance bills in the past ten years and described the trend and predicted the future trend according to existing policies

RESEARCH & STUDY GROUPS

Topology Discussion Group

Team Member

Jiangsu, China

Jun. 2021-Aug. 2021

- Joined the professor-run topology discussion group and improved my self-learning and analytical skills
- Self-learned chapters and then in return delivered presentations to teach the group members.

Lumiere Research Project

Researcher

London, UK

Jun. 2022-Sept. 2022

- I collaborated with Dr. Aida Manzano Kharman from Imperial College (UK) and utilized Python and Machine Learning techniques to make predictions for the 2022 World Happiness Report. We compared our predictions to the actual data and subsequently published our findings in the Journal of Computer Science.

Peer Assisted Learning Sessions

Teaching Assistant

Liverpool, UK

Sept. 2022-Jun.2023

- Helped a student solve MTH142 (Intro for R) and MTH103 (Linear Algebra) questions
- Made sessions more interactive, such as by changing the tutorial structure, which helped the student better understand the problems

STOR 445 Stochastic Process

Teaching Assistant

Chapel Hill, US

Sept. 2023-Present

EXTRACURRICULAR ACTIVITIES

XJTLU Recruitment Program

Volunteer

Jiangsu, China

Jul. 2020 – Aug. 2020, July 2021 – Aug. 2021

- Helped students learn more about XJTLU and attracted high-level students to apply to our university
- Communicated with students and their parents, answered questions and showed the strength of XJTLU

XJTLU Buddy Program

Big Buddy

Jiangsu, China

Sept. 2020-Nov. 2020

- Helped freshmen become familiar with all parts of university life at XJTLU
- Received the 2020 Excellent Big Buddy Award

SKILLS

Languages: Mandarin (Native) and English (IELTS 7)

Technology Skills: Python (Scikit-learn, NumPy, Pandas), R (dplyr, ggplot2, tidyverse), Microsoft Office