Zhiyuan Zou

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EDUCATION EXPERIENCE

Beijing Normal University   Beijing, China
- B.S. Mathematics and Applied Mathematics   Sept. 2020 - June 2024
- WES-GPA: 3.4/4.0
- **Related courses:**
  Mathematical Analysis, Advanced Algebra, Probability Theory, Mathematical Statistics, Stochastic Processes, Measurement Theory, Real Variable Functions, Mathematical Modeling, Data Structure, Basic Programming.

➤ **2nd-class Scholarship at Beijing Normal University (Top 15%)**   Sept. 2021 - June 2023

INTERNSHIP & PROJECT EXPERIENCE

➤ **Shanghai Nielsen Market Research Co., Ltd. Beijing Branch**   Aug. - Nov. 2022
Intern, Retail Research Department
- Analyzed Yili Milk's product data, developed future plans, and prepared an annual summary report
- Utilized MySQL for data analysis and used Final-BI for data visualization to illustrate data-related phenomena
- Developed proficiency in batch data cleaning and mapping using Excel and PowerPoint tools

➤ **Shenzhen Hongjun Capital Management Co., Ltd**   Dec. 2022 - Mar. 2023
Intern, Investment Research and Reporting Department
- Assessed historical data of companies and provided stock trading advice for the secondary market
- Interacted with company executives to learn about corporate management and product development
- Established a quantitative trading model, achieving a 20% profit in three months

➤ **Tianma Microelectronics Co., Ltd.**   May - Aug. 2023
Intern, CIM Department
- Contributed to the operation and upkeep of software for equipment automation systems
- Aligned product design with customer requirements, ensuring successful project execution and acceptance
- Monitored project progress and addressed communication issues encountered by technical developers

➤ **Summer Software Engineering Java Course in Austin, USA**   Jan. - Feb. 2023
- Learned Java programming software and achieved an excellent grade of A
- Collaborated with team members to develop a software project for stock fund manager selection using Java
- Participated in the speaking and writing training held for Chinese student

HONORS & AWARDS

➤ **1st Place in the National Mathematical Modeling Competition (Top 5%)**   Sept. 2022
- Team Leader
- Used mathematical knowledge to build the model
- Programmed the model with Python and MATLAB software to produce predictions

➤ **2nd Place in MathorCup University Mathematical Modeling Challenge (Top 15%)**   Apr. 2022
- Team Leader

➤ **2nd Place in the Greater Bay Area Cup Financial Mathematical Modeling Competition** Nov. 2022 - Nov. 2023
- Team Leader

➤ **1st Place in Eastern Wealth Cup Financial Competition (Top 0.6%)**   May - June 2021
- Established a quantitative trading model to achieve a 30% return within the specified period
- Programmed the model with R and Python to conduct time series forecasting
- Established a comprehensive stock database to facilitate future work

LEADERSHIP & CAMPUS EXPERIENCE

➤ **Establish a teaching team**   Jul. 2023 - Present
- Serve as the studio owner, managing five teachers under my leadership
- Utilize online and offline simultaneous teaching
- Cumulatively gain more than 50 students and expect to reach 100+ by next year

➤ **Official Photographer at Beijing Normal University**   Feb. 2020 - Feb. 2021
- Served as the Deputy Head, managing daily work arrangements
- Participated in filming major school conferences and lectures

➤ **Establish a financial association**   Oct. 2021 - Present
- Founder and manager of the association
- Regularly organize team members to conduct research on listed companies
- Participated in multiple stock quantitative trading competitions with club members

ADDITIONAL INFORMATION

➤ Tools and languages: Python, C, Matlab, R, LATEX, MySQL, Java
➤ Deep learning research: Mathematical Modeling, Mathematical Derivation, Python