

Zhang Xu

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EDUCATION

Peking University, College of Chemistry and Molecular Engineering

Bachelor of Chemical Biology

2019.9 – 2023.7

- GPA: 3.38/4.00.
- Economics related Courses: Principles of Economics (I) (84), (II) (89), Microeconomics (94), Macroeconomics (In progress, in English), Econometrics (In Progress), Behavioral Economics (Audit course, in progress), Quantitative Methods in Social Sciences (92), Advanced Mathematics B (I) (71), (II) (99), Linear Algebra B (75), Game Theory (77), Probability Theory and Statistics B (In progress), IPE (Audit course, in progress), Data Analysis Techniques (Department of Sociology, 90), Academic English Writing (89), Critical Thinking and Academic Writing (In English, 90), Social Psychology B (91).

RESEARCH EXPERIENCE

Study of Social Preferences in Trust Game Experiments | Undergraduate Research Report |

2022.1 – 2022.5

Zhang Yuanpeng Group, School of Economics, Peking Univ.

- Constructed a strategy which is based on the Triple Trust Game Experiment to separate influencing factors of different social preferences in people's trusting behavior. Quantitatively discussed trust motivation structures of different identity types. Discussed the existence and characteristics of social preferences in the investment game.
- Finished a 14 – pages long research paper (not published) independently.

Experimental Study on the Effectiveness of Group Tournaments | Research Assistant |

2021.9 – 2022.1

Zhang Yuanpeng Group, School of Economics, Peking Univ.

- Learned characteristics of economics research, basic concepts and paradigms of Experimental Economics. Assisted data processing and digital graphics production for the project paper (unpublished). Some results were applied in the group's doctor reports.

FTO Demethylase Modification and Reaction Condition Optimization | Research Assistant |

2021.8 – 2021.9

Jia Guifang Group, College of Chemistry and Molecular Engineering, Peking Univ.

- Participated in the designing of reaction optimization subject and its implementation, provided supplementary experiment results for the group's further research.

Other Experience of research training | Results in Courses | Peking Univ.

2019.9 – 2022.5

- Academic training in chemistry: 20+ exploratory experimental project report; 10+ literature review; 10+ presentation & team design. Possess outstanding ability of team organizing and researching.
- A report was awarded as excellent research report in course *Quantitative Methods in Social Sciences*: explaining countries' behavior in international climate negotiations by constructing their utility functions with inspiration of social preferences, cooperated with students from college of chemistry and international studies.
- Group reports or individual papers are awarded as excellent papers/researches several times in courses like *Social Psychology B*, *Comprehensive Organic Chemistry Lab.*, basic political courses and so on.

WORK EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

Doping Control Volunteer for Beijing Winter Olympic Games

2022.2 – 2022.3

- Was selected as a doping test volunteer, responsible for testing potential cordial elements in athletes' samples. Performed well in chemistry – related professional jobs and English communication during the service.
- Honored by institutions including Peking University, Beijing Olympic Committee, etc, after finishing the service.

Industry Researcher | Internship | China Securities Corporation

2021.7 – 2021.8

- Participated in the project team of valuating Beijing ProWinCan Pharmaceutical Technology Corporation.
- Conducted on-site due diligence in the subject enterprise, completed the fixed asset inventory and investigation of the basic project. Pointed out the enterprise's potential problems according to its chemical R&D consumables reports, which is highly acknowledged by the subject conductor.
- Individually finished the preliminary construction of valuation model.

Chief Player, Member of the Council | Folk Music Club of PKU | Peking Univ.

2020.9 – 2022.2

- Chief player of Liuqin and Ruan (folk instruments), participated in 3 public concerts. Possess abundant experience of conduct and organization. Have been playing in student orchestra for 12 years, possess rich experience of team work and exchange trips abroad.

SKILLS AND INTERESTS

- Language Skills:** Chinese (Native speaker); English (Can be used as working language, 2020 CET6: written test: 601; oral test: A)
- Computer Skills:** Statical software: SPSS, Excel; Programming language: Python, etc; Professional plot software: Origin, Chemdraw. Other professional software for chemistry research. Good at learning computer programmes' use, possess basic knowledge of database of literature and related retrieval skills.