

## Wenlu Xu

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### EDUCATION

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<b>University of California Los Angeles</b>	<b>Los Angeles, USA</b>
Ph.D. in Statistics & Data Science	09/2022-Present
<b>Shandong University, Taishan College (Honors)</b>	<b>Jinan, China</b>
B.S. in Mathematics and Applied Mathematics	09/2018-06/2022

### RESEARCHES & PROJECTS

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<b>A Contextual Bayesian-Incentive-Compatible Algorithm for Causal Bandit in Recommender Systems</b>	
<i>First Author, the Lab for Statistics, Computing, Algorithms, Learning, and Economics (SCALE), UCLA</i>	11/2022-Present
<ul style="list-style-type: none"><li>Submitted to <i>Neurips 2023</i>, currently under review</li></ul>	
<b>Byzantine-Resilient Federated Learning at Edge</b>	
<i>Third Author, the Institute of Intelligent Computing (IIC), Shandong University</i>	11/2020-10/2021
<ul style="list-style-type: none"><li>Published on <i>IEEE Transactions on Computers 2023</i>, DOI: 10.1109/TC.2023.3257510.</li></ul>	
<b>The Application of Differential Equations in the SIR Model — Taking COVID-19 as an Example</b>	
<i>Leader, Shandong University</i>	07/2020-07/2021
<ul style="list-style-type: none"><li>Sponsored by the National Undergraduate Innovation &amp; Entrepreneurship Training Program</li></ul>	
<b>Designing the Optimal Plan for Crossing the Desert in a Virtual Game - CUMCM Project</b>	
<i>Leader, Shandong University</i>	09/2020
<ul style="list-style-type: none"><li>Won Shandong Provincial First Prize(Top 5%) in the 2020 Contemporary Undergraduate Mathematical Contest in Modeling</li></ul>	

### PROFESSIONAL EXPERIENCES

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<b>China Securities</b>	<b>Beijing, China</b>
Part-time Assistant for Xin Wang, Director of Quantitative Investment in Asset Management Dept.	10/2021-11/2021
<b>Tensor Pacific</b>	<b>Shanghai, China</b>
Quantitative Trading Strategy Development Engineer Intern, Investment Research Dept.	08/2021-12/2021
<b>TF Securities</b>	<b>Shanghai, China</b>
Analyst Intern, Investment Banking HQ.	07/2021
<b>Goldman Sachs</b>	<b>Remote</b>
Part-time Assistant for Jerry Chen, Quantitative Analyst in Consumer and Investment Management Dept.	04/2021-06/2021

### ACADEMIC SERVICES

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<b>Journal Reviewer</b>
<ul style="list-style-type: none"><li>STAT, 2023-Present</li></ul>

### INVITED TALKS

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<b>Double Machine Learning Workshop</b>	
<i>Speaker, the Summer Institutes in Computational Social Science (SICSS), UCLA</i>	06/2023
<ul style="list-style-type: none"><li>One-hour workshop to Ph.D. students and A.P.s in social science fields</li></ul>	

### AWARDS AND HONORS

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<b>University of California Los Angeles</b>
<ul style="list-style-type: none"><li>Summer Mentored Research Fellowship, 2022</li></ul>
<b>Shandong University</b>
<ul style="list-style-type: none"><li>National Merit Scholarship (Top 0.2%), 2021</li><li>National Third Prize in the 11th and 12th National Undergraduate Mathematical Contest, 2020 &amp; 2021</li><li>Academic scholarship of First Prize, 2019 &amp; 2020 &amp; 2021</li><li>Sunflower Scholarship by China Merchants Bank, 2020</li><li>Outstanding Student Leader of Taishan College, 2019 &amp; 2020</li><li>Merit Student of Shandong University, 2019</li></ul>

## **TEACHING EXPERIENCE**

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### **University of California Los Angeles**

- Grader for 22F-STATS-13-LEC-3 Introduction to Statistical Methods for Life and Health Sciences
- Grader for 23W-STATS-102A-LEC-1 & 2 Introduction to Computational Statistics with R
- Grader for 23S-STATS-10-LEC-4 Introduction to Statistical Reasoning

### **Shandong University**

- Teaching Assistant for 2021 Mathematics Project in English: Writing and Presenting
- Teaching Assistant for 2020 & 2021 Probability Theory
- Teaching Assistant for 2019 & 2020 & 2021 Mathematical Analysis I & II

## **OTHER INFORMATION**

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- **Computer Skills:** Python, Java (China Computer Federation Accredited, Top 5.2%), MATLAB, Latex, C#, R
- **Languages:** Chinese (native speaker), English (fluent)