

# Sifan Tao

## Curriculum Vitae

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### Education

- 2023 – Present **PhD Student in Statistics**, *University of Wisconsin-Madison*.
- 2019 – 2023 **BS in Statistics, with a second major in mathematics**, *University of Virginia*.  
with distinction, Phi Beta Kappa
- Fall 2020 **UVA at Fudan: Go Local**, *School of Data Science, Fudan University*.

### Student Research Experience

- Fall 2024 **Graduate Research Assistant**, *Orthogonalizing EM Based Leverage Subsampling*, Advised by Peter Chien.  
University of Wisconsin-Madison
- Fall 2021 – Fall 2022 **Undergraduate Research Assistant**, *Core-Periphery Trading Networks*, Advised by Chaojun Wang.  
The Wharton School, University of Pennsylvania
- Fall 2021 – Spring 2022 **Undergraduate Research Course**, *Bayesian propensity scores, Sentiment analysis of Covid-19 tweet*, Advised by Xin Tong.  
University of Virginia
- Fall 2021 **Undergraduate Independent Study Course**, *Causal Inference*, Advised by Jordan Rodu.  
University of Virginia
- Summer 2021 **Summer Undergraduate Research Experience**, *Modeling Stochastic Soccer game Dynamics using Potential functions*, Advised by Konstantinos Pelechrinis.  
Carnegie Mellon Sports Analytics Camp 2021
- March 2021 – April 2021 **Undergraduate Research Assistant**, *Why Trade Over-the-counter? When Investors Want Price Discrimination*, Advised by Chaojun Wang.  
The Wharton School, University of Pennsylvania

### Presentations

#### Invited Guest Lectures

- October 2022 **STAT4800 Advanced Sport Analytics**, *Modeling Stochastic Soccer Game Dynamics using Potential Functions*, University of Virginia, Invited by Professor Jordan Rodu.  
Undergraduate course on sport analytics.

#### Conference Poster Presentations

- November 2021 **Ohio State Sports Analytics Association Conference 2021**, *Modeling Stochastic Soccer Game Dynamics using Potential Functions*, Joint work with Nicholas Ho, Adhvaith Vijay.
- October 2021 **Carnegie Mellon Sports Analytics Conference 2021**, *An Interpretable Method of Learning Stochastic Game Dynamics*, Joint work with Nicholas Ho, Adhvaith Vijay.

## Teaching

### Courses Served as Teaching Assistant at University of Wisconsin-Madison

Fall 2024 **STAT240 Data Science Modeling I**, *Discussion sections 334, 335, 336.*

Spring 2024 **STAT371 Introductory Applied Statistics for the Life Science**, *Discussion sections 351, 352, 353.*

Fall 2023 **STAT324 Introductory Applied Statistics for Engineers**, *Discussion sections 324, 325, 326.*

### Courses Served as Teaching Assistant at University of Virginia

Fall 2021, **STAT3080 From Data to Knowledge.**

Fall 2022

## Computer Skills

Proficient R

Intermediate Python

Beginner Shell, Java, SAS

## Language

Bilingual Chinese, English

Beginner Japanese