

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*.

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 Virginia

- Fall 2021, **STAT3080 From Data to Knowledge**.
- Fall 2022 Undergraduate course introducing programming for statistical analysis in R.

Courses Served as Teaching Assistant at University of Wisconsin-Madison

- Fall 2023 **STAT324 Introductory Applied Statistics for Engineers**, *Discussion sections 324, 325, 326*.
An intro course for those who are interested in engineering or tech fields.
- Spring 2024 **STAT371 Introductory Applied Statistics for the Life Science**, *Discussion sections 351, 352, 353*.
An intro course for those who are interested in life sciences.

Student Research Experience

- Fall 2021 – Fall 2023 **Undergraduate Research Assistant**, *Core-Periphery Trading Networks*, Advised by Chaojun Wang.
- Fall 2021 – Spring 2022 **Undergraduate Research Course**, *Bayesian propensity scores, Sentiment analysis of Covid-19 tweet*, Advised by Xin Tong.
- Fall 2021 **Undergraduate Independent Study Course**, *Causal Inference*, Advised by Jordan Rodu.
- 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 – **Undergraduate Research Assistant**, *Why Trade Over-the-counter? When Investors Want Price*
April 2021 *Discrimination*, Advised by Chaojun Wang.

Computer Skills

Proficient R
Intermediate Python
Beginner Shell, Java, SAS

Language

Bilingual Chinese, English
Beginner Japanese

Activities

Clubs

2019 – 2023 **Hoos Talking.**
President 2021 – 2022