

Sifan Tao

Curriculum Vitae

Halsey Hall
Charlottesville, VA 22904
✉ st5gur@virginia.edu
🌐 <https://www.sifantao.com>
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Education

- 2019 – 2023 **BS in Statistics, with a BA in mathematics**, *University of Virginia*, with distinction.
Fall 2020 **Global Exchange Program**, *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.

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 – April 2021 **Undergraduate Research Assistant**, *Why Trade Over-the-counter? When Investors Want Price 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