

# Jizhou Liu

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## Areas of Research

Causal Inference, Design and Analysis of Randomized Experiments, Reinforcement Learning

## Education

Ph.D. Econometrics and Statistics, The University of Chicago Booth School of Business, 2020-2025

M.S. Management Science and Engineering, Stanford University, 2018-2020

MPhil Economic Research, University of Cambridge, 2017-2018

B.A. Farsi, Beijing Foreign Studies University, 2013-2017

## Research

### *Working Papers*

Inference for Two-stage Experiments under Covariate-Adaptive Randomization

Revisiting the Analysis of Matched Pair and Stratified Experimental Designs in the Presence of Attrition  
(with Yuehao Bai, Meng Hsuan Hsieh, and Max Tabord-Meehan)

Inference for Matched Tuples and Fully Blocked Factorial Designs (with Yuehao Bai and Max Tabord-Meehan)

Efficient Treatment Effect Estimation in Observational Studies under Heterogeneous Partial Interference (with Zhaonan Qu, Ruoxuan Xiong and Guido Imbens)

Learning to Coordinate with Humans using Action Features (with Mingwei Ma, Samuel Sokota, Max Kleiman-Weiner, Jakob Foerster)

Inference in Cluster Randomized Trials with Matched Pairs (with Yuehao Bai, Azeem Shaikh and Max Tabord-Meehan)

## Professional Experience

**Amazon.com Inc**, Applied Scientist Intern (Supervisor: Eric Tchetgen Tchetgen), Jun 2022 - Sep 2022

**Facebook AI Research**, Student Researcher (Supervisor: Jakob Foerster), Jun 2021 - Sep 2021