

# BRUCE WEN

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## EDUCATION

**The University of Chicago** (*summa cum laude*, GPA: 3.96/4.0)

September 2019 – June 2023

*M.S. Computer Science, B.A. Economics (with Honors)*

*Chicago, IL, USA*

## AWARDS

**Student Marshal** 2022


**David S. Hu Award** for Senior Thesis in Economics 2023


**Phi Beta Kappa** (*Junior Inductee*) 2022


**International Conference of Young Scientists (ICYS)** Gold Medal 2016

## PUBLICATIONS AND WORKS IN PROGRESS

Optimal Reserve Prices in Art Auctions. (.pdf ) (with K. Ponomarev). *Working Paper*.

What Does It Mean to Be Creepy? Responses to Visualizations of Personal Browsing Activity, Online Tracking, and Targeted Ads. (.pdf ) (with N. Reitering, M. Mazurek, B. Ur). *PoPETs*, 2024.

Analysis of Google Ads Settings Over Time: Updated, Individualized, Accurate, and Filtered. (.pdf ) (with N. Reitering, M. Mazurek, B. Ur). *WPES*, 2023.

Low Temperature Molten Salt Preparation of Nano-SnO<sub>2</sub> as Anode for Lithium-Ion Batteries. (.pdf ) (with M.V. Reddy, Y. T. Lee, B.V.R. Chowdari). *Materials Letters*, 2015.

## ACADEMIC RESEARCH

**Research in Econometrics/IO** January 2022 – Present

with Professor Kirill Ponomarev *Chicago, IL, USA*

- Novel partial identification of ascending auctions with application to live Christie's and Sotheby's art auctions.
- Paper is currently in progress for submission.

**Research in IO/Education** July 2021 – June 2022

Research Assistant for Professor Michael Dinerstein *Chicago, IL, USA*

- Contributed to charter school panel datasets, refining columns detailing charter school network growth factors.
- Modified two-way-fixed-effects regressions to analyze causal effects of mergers on network expansion outcomes.

**Research in Computer Science** August 2020 – September 2022

*UChicago Security, Usability, Privacy Education & Research Group* *Chicago, IL, USA*

- Scraped text of 1 million top visited websites using parallel cloud compute with Docker containers.
- Developed a logistic regression model with 72% accuracy on 593 categories, outperforming prior 49% in literature.

## INDUSTRY EXPERIENCE

**Economic Development Board** August 2023 – Present

Senior Associate, Digital Industry *Singapore*

**EY-Parthenon** June 2022 – August 2022

Strategy Summer Associate *Chicago, IL, USA*

## TEACHING

**UChicago Computer Science Department** March 2022 - June 2022

Teaching Assistant, CMSC25300: Mathematical Foundations for Machine Learning *Chicago, IL, USA*

## SKILLS

**Computer:** Python, Julia, R, Go, C

**Languages:** Native Proficiency in English, Mandarin

## REFERENCES

**Alexander Torgovitsky** Professor, University of Chicago.

[atorgovitsky@gmail.com](mailto:atorgovitsky@gmail.com)

**Michael Dinerstein** Associate Professor, Duke University.

[michael.dinerstein@duke.edu](mailto:michael.dinerstein@duke.edu)

**Kirill Ponomarev** Assistant Professor, University of Chicago.

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