

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 Best Senior Thesis in Economics 2023

Phi Beta Kappa (*Junior Inductee*) 2022

PUBLICATIONS AND WORKS IN PROGRESS

Ponomarev, K., & Wen, B. (2024). *Reserve Prices in Art Auctions*. Work in progress .

Reitingner, N., Wen, B., Mazurek, M. & Ur, B. (2023). *What Does It Mean to Be Creepy? Responses to Visualizations of Personal Browsing Activity, Online Tracking, and Targeted Ads*. Accepted, PoPETs '24 .

Reitingner, N., Wen, B., Mazurek, M. & Ur, B. (2023). *Analysis of Google Ads Settings Over Time: Updated, Individualized, Accurate, and Filtered*. Accepted, WPES '23 .

ACADEMIC RESEARCH

Research in Econometrics

January 2022 – Present

with Professor Kirill Ponomarev

Chicago, IL, USA

- Designed novel partial identification of ascending auctions with knowledge of only a lower bound on the number of bidders, with application to live Christie's and Sotheby's art auctions.
- Paper is currently in progress for submission at a top field journal.

Research in IO/Education

July 2021 – June 2022

Research Assistant for Michael Dinerstein

Chicago, IL, USA

- Built charter school panel datasets with > 1500 schools and 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.
- Led the development (from scratch) of a single layer perceptron model with 72% accuracy (outperforming prior 49% in literature) on 593 categories using PyTorch, capable of 200 inferences/s packaged into a browser extension via ONNX.
- Papers published in WPES '23 and accepted at PoPETs '24. Model currently in use by other privacy researchers.

INDUSTRY EXPERIENCE

Economic Development Board

August 2023 – Present

Associate

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

Kirill Ponomarev Assistant Professor, University of Chicago.

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Michael Dinerstein Assistant Professor, University of Chicago.

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