

# HARPER W SCHWAB

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## EDUCATION

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### University of Chicago

B.S. Data Science, B.A. Human Rights

Thesis Title: The Right to Be Forgotten in the Age of Artificial Intelligence

Awards and Honors: Pozen Center Human Rights Leader 2024-25, Excellence in Data Science 2024-25

Chicago, IL

June 2025

## WORK EXPERIENCE

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### The World Bank, *Data and Analytics Global Solutions Group, Washington, DC*

Starting June 2025

- Will apply advanced AI/ML methodologies to predict citizen participation patterns in the absence of gender biases, contributing to the World Bank's mission of fostering inclusive growth for 2.3+ billion people globally facing social exclusion.

### Data Science Institute, *Teaching Assistant, Chicago, IL*

September 2024 - Present

- Led technical project management for two NGO/non-profit client teams, directing deliverables and mentoring students in ML/AI/LLM integration while implementing reproducible development environments using Docker and Make to ensure consistent testing and deployment across diverse teams.

### Pozen Center For Human Rights, *Research Assistant, Chicago, IL*

October 2024 - Present

- Collaborated with the Global Human Rights Clinic at UChicago Law to compile country reports on family rights and police killings for the Special Rapporteur on Extrajudicial Killings' report to UN General Assembly.
- Analyzed laws and institutions to assess state protections for families after extrajudicial killings in Ukraine, India, England, and Kenya.

### Results for America, *Data Science and Research Intern, Washington, DC*

June 2024 - August 2024

- Developed a Python data pipeline leveraging data from comprehensive sources i.e. USAspending.gov, US Census Bureau, and facilitated reuse by senior management to demonstrate impact of data driven policy.
- Created 200+ visualizations to identify the rural-urban divide in US government funding.

## PROJECTS

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### Data and Democracy, *Chicago, IL*

January 2024 - Present

- Successfully managed a team of 4 in parsing and compiling diverse voting record data for the United States from 1920 to 2022 utilizing Large Language Models (LLMs) to publish an open source dataset and website for historical data, filling a 40 year gap in compiled, parsable, data.

### Inclusive Development International (IDI), *Chicago, IL*

September 2024 - Present

- Developed automated data pipeline with 12 custom web scrapers generating 1000+ validated human rights records while managing a 6-person team using LLMs for unstructured data; led technical presentations and authored documentation for both technical and non-technical stakeholders throughout the project lifecycle.

## LEADERSHIP POSITIONS

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### UChicago Model United Nations (MUN), *President*

January 2022 - June 2025

- Led comprehensive MUN training programs (public speaking, research, leadership) and managed \$82k+ annual budget, directing twice-weekly 60+ person meetings and 1:1 coaching sessions, and strategically allocated resources to increase conference participation, ultimately building the fifth-ranked national team.

## PUBLICATIONS

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Kale, Alex, Danni Liu, Maria Gabriela Ayala, **Harper Schwab**, and Andrew McNutt. "What Can Interactive Visualization Do for Participatory Budgeting in Chicago?" arXiv, July 29, 2024. <https://arxiv.org/abs/2407.20103>.