

HARPER W SCHWAB

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EDUCATION

The University of Chicago

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

Thesis Topic: Personal Privacy and Generative AI

Chicago, IL

Expected 2025

PROGRAMMING EXPERIENCE

Python, JavaScript, HTML, CSS, SQL, Git

WORK EXPERIENCE

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

June 2024 - August 2024

- Developed a Python data pipeline, facilitating reuse by non-technical employees. Leveraged data from sources such as USAspending and the Census Bureau.
- Conducted data analysis and created over 200 visualizations to identify cases of inequity in government funding across population demographics.
- Provided daily insights to supervisors, enhancing strategic initiatives for clients seeking grant funding.

Center For Investigative Reporting (CIR), *Data Science Clinic, Chicago IL*

March 2024 - June 2024

- Improved CIR's data pipeline by implementing record linkage techniques, increasing verifiable matches by 80%.
- Collaborated with direct supervisors and CIR partners by delivering weekly progress updates through digital presentations and one-page write-ups, incorporating feedback to enhance code quality and analytical methods.

Tradesnest, *Business Development Specialist, Remote*

June 2023 - September 2023

- Updated and improved the Tradesnest website, and provided outreach communication to attract users to the platform through updating email campaigns and surveys sent to over 2000 potential clients

Data Cognition Lab, *Research Assistant, UChicago*

July 2022 - June 2023

- Sole undergraduate on a project about using interactive for participatory budgeting, responsible for building data visualization tools using the D3.js JavaScript library, HTML, and CSS.
- Dedicated 200+ hours reviewing primary literature, and synthesizing academic papers to inform mathematical background on utility models and elicitation procedures.
- Directed team decisions regarding ethical concerns with election integrity.

LEADERSHIP POSITIONS

UChicago Model United Nations (MUN), *President*

January 2022 - Present

- Led the development and implementation of training programs on public speaking, advocacy, and group leadership, driving the fifth-ranked nationally MUN team's success through twice-weekly meetings and 1:1 sessions.
- Oversaw and optimized the allocation of a \$70k+ annual budget for travel and competition ensuring efficient use of resources resulting in increased conference attendance and retained membership.

Folkmoot USA, *Assistant Guide, Waynesville, NC*

July 2016 - January 2020

- Led and managed diverse international groups at cultural festivals, fostering cross-cultural understanding and collaboration.
- Successfully completed workshops in leadership, diversity, international relations, conflict resolution, teamwork, and emergency management to enhance team and festival cohesion.

PUBLICATIONS

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://doi.org/10.48550/arXiv.2407.20103>.