

# Henry Josephson

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## EDUCATION

### **The University of Chicago**

Chicago, IL, Class of 2025

- Double major: data science B.S. and philosophy B.A. (intensive track, ethics focus). Phi Beta Kappa. 3.99 GPA.

### **Millburn High School**

Millburn, NJ, Class of 2021

- Graduated with highest honors in top 5% of 325 in graduating class, 4.32/4.0 GPA.

## WORK, RESEARCH EXPERIENCE

### **Office of Alex Bores, New York State Assemblyman: *Legislative Aide***

Summer 2023

- Researched and drafted legislation on emerging technology (e-bikes, biotech, AI), communicated, collaborated, and liaised with constituents, advocacy groups, and regulatory agencies, organized community outreach.
- Demonstrated the risks of deepfake technology by fine-tuning a state-of-the-art voice cloning model on Asm. Bores' voice with his full consent, raising awareness of the heightened misinformation risk public figures face.
- Independently built a comprehensive statistical model with open-source data analyzing e-bike collision trends over a three-year period in response to the assemblymember's expressed need for quantitative risk assessment.
- Data I uncovered during this self-driven research led to a bill ([A08450](#)) that was signed into law in July 2024.
- Produced an in-depth report with statistics and policy recommendations ([pdf](#)) that was covered by multiple networks ([FOX5NY](#), [NY1](#)), demonstrating impact and public interest in the findings.

### **University of Chicago, Harris School of Public Policy: *Research & Teaching Assistant***

February 2024 – present

- First undergrad chosen to TA [AI For Public Policy](#), blending mathematical understanding with practical.
- Work with a team of 4 to analyze whether gunshot detection technology decreases the rate at which people die from gunshot wounds — working paper forthcoming — with media coverage in the [Chicago Tribune](#).
- Independently spearhead machine learning analysis on a large-scale corpus of prison therapy recordings, leveraging state-of-the-art natural language processing techniques and time series analysis to drive data-informed improvements in mental health interventions for marginalized incarcerated people supporting criminal justice reform research led by renowned economist Professor Jens Ludwig.

### **Morningstar: *Machine Learning Intern***

September 2024 – present

- Working with a team of five to cheaply improve model performance on low-data tasks using state-of-the-art techniques like low-rank adaptation, p-tuning, and synthetic data generation.

### **University of Chicago: *Teaching Assistant, Intro to Data Science I & II***

September 2023 – June 2024

- Selected as TA from >600 students in Data Sci. and Statistics depts. to teach 70+ students how to turn data into stories. Explained visualization best practices, ML fundamentals, and foundational statistics. Led weekly labs, held office hours, and graded exams.

### **University of Chicago X-Lab: *Summer Research Fellow***

Summer 2022

- Researched whether potential California regulations on artificial intelligence can *de facto* apply outside CA. Mentored by Cullen O'Keefe, then at OpenAI, now the Institute for Law & AI's Director of Research.
- My paper *A California Effect for Artificial Intelligence* ([Google Doc](#)) won a prize in the Centre for Governance of Artificial Intelligence's 2022 Student Essay Contest.

### **The Chicago Maroon: *Head Crossword Editor***

2022 – present

- Lead a team of 6 to create weekly puzzles for the paper's print and online editions.
- My puzzles have also appeared in the *New York Times*, where they've been solved by >2,500,000 people.
- Founded, emcee, and create puzzles for our annual crossword tournament, attracting 120+ solvers each year.

## SKILLS & INTERESTS

Blogging at [henryjosephson.com](http://henryjosephson.com), building [State Legislator Effectiveness Dashboard](#) to quantify legislators' ability to get their bills enacted • Fluent in French, SQL, Python, AWS • Replicating ML papers • Competitive crossword solving