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..

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. Students called me "one of the best TA's I've had at UChicago."

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.

UChicago Mock Trial: *Captain, Closing Attorney* September 2021–November 2023
- Led UChicago's mock trial team to top-5 finishes at '22 and '23 regionals and to tournaments in CA, IL, & IA.

SKILLS & INTERESTS

Building the 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 • long-distance hiking