

Avital Mintz

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EDUCATION

University of Chicago

Bachelor of Science in Data Science and Bachelor of Arts in Psychology

Cumulative GPA: 3.80/4.00 | SAT: 1590/1600

Chicago, IL

September 2022 – June 2026

EXPERIENCE

UChicago Data Science Institute AI Interpretability Lab

Research Assistant

Chicago, IL

October 2024 – Present

- Serve as lead undergraduate researcher on a faculty- and PhD-led team exploring how Large Language Models (LLMs) represent traits, perspectives, and abstract concepts for mechanistic interpretability research
- Design and test interventions to analyze how internal representations of complex ideas shift under different personas
- Built Python scripts now used across the lab to extract, steer, and compare activations in LLMs for persona-level experiments
- Write weekly reports to summarize findings and outline next steps, helping the team track progress and plan experiments

Moody's

Data Intelligence Intern

New York, NY

June 2025 – August 2025

- Built dynamic dashboards tracking CreditView feature usage; reduced ad hoc requests and centralized weekly team reviews
- Analyzed user behavior on Moodys.com to identify drop-offs, underused features, and engagement drivers across the platform
- Presented findings and recommendations to Sales, Marketing, and Analytics, exposing bot-driven traffic inflation and broken user flows; led to engineering fixes and website updates that aligned features with actual user behavior

Transatlantic Reinsurance Company

Healthcare Liability Underwriting Intern

New York, NY

June 2024 – August 2024

- Conducted research on medical malpractice cases with jury awards over \$10 million, analyzing 900+ lawsuits from the past decade using Python to identify drivers of rising jury awards and shifts in damage allocation
- Developed a data-driven report on high-value sexual assault cases in the medical field that TransRe distributes to insurance companies to provide critical insights for risk assessment and loss prevention

UChicago Medicine Addictive, Compulsive, and Impulsive Disorders Research Lab

Research Assistant

Chicago, IL

October 2023 – May 2024

- Led weekly sessions with subjects with cocaine use disorder; tracked behavior and supported them during emotional crises
- Analyzed 200+ psychiatric visit records across seven studies to extract trends in treatment outcomes, comorbidity rates, and behavioral patterns related to OCD, borderline personality disorder, and cocaine addiction
- Ran recruitment for five studies on psychiatric disorders; increased enrollment rates by 30% through targeted outreach

Child Guidance Clinic Family Court Social Services of the Superior Court of D.C.

Research Assistant

Washington, D.C.

June 2023 – August 2023

- Assessed psychological improvement in court-involved youth by analyzing pre- and post-treatment mental health assessments, contributing to program evaluations used by court officials
- Built predictive models on juvenile arrest records to assess re-offense likelihood from factors including socioeconomic status, prior offenses, and home environment
- Produced a geospatial crime report that informed clinic-led discussions on intervention strategies and resource allocation

PROJECTS & ACHIEVEMENTS

Bain & Company x CampusCATALYST Case Competition

Finalist

January 2024

- Performed market analysis and developed a financial model to identify strategic opportunities resulting in a monthly farmers' market plan to boost engagement for Chicago Grows Food; placed 3rd out of 25 groups

Documentary Film Festivals

October 2021

- Directed and produced the short film Youth Incarcerated, which was selected for the BRIC Youth Media Festival and screened at Times Square AMC

SKILLS & INTERESTS

Programs & Tools: SQL, Python (PyTorch, NumPy, Pandas, Scikit-learn, Matplotlib), Power BI, Microsoft Office, Git

Activities: Psychology-Law Society Campus Representative, Re-Entry Volunteer with Restore Justice, Intramural Basketball

Hobbies: Spikeball, windsurfing, pickleball, filmmaking, NYT Games, yoga, trivia nights