

ADEN CHEN

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EDUCATION

The University of Chicago

Bachelor of Arts in Economics and Mathematics

- **GPA:** 3.950

Expected, June 2027

Chicago, IL

RESEARCH

Becker Friedman Institute Summer Internship Program: MiiE Lab

June 2024 – August 2024

Research Assistant

- Supported Professor Adukia in her work to analyze images and texts in textbooks, children's books, and yearbooks using computational methods.
- Crawled yearbook data from dynamic websites, and ran computer vision pipelines to estimate gender and race proportions in schools. Ran various natural language processing algorithms on news articles, including emotion analysis, VAD analysis, log odds ratio with Dirichlet prior, name entity recognition, power and agency analysis, topic modeling, among others.

Research Assistant under Professor Shaoda Wang and Professor Daniel Li Chen

April 2024 – June 2024

Research Assistant

- Developed pipeline for crawling legal documents in court cases involving expert witness. Downloaded over 3M relevant documents and metadata for over 1.5M cases.

Nationalism Sentiment during Covid-19 in China

February 2023 – March 2023

Research Assistant

- Utilized Python to scrape blogs posted on Weibo from 2018 to 2022, focusing on topics related to the US, collecting data for sentiment analysis.

Gender Differences in Psychology [\[PDF\]](#)

May 2022 – June 2022

Researcher

- Investigated the gender differences in personality and career preferences.
- Paper discussing both biological and social factors and the gender equality paradox won commendation in the John Locke Institute Global Essay Competition.

LEADERSHIP & ACTIVITIES

Recognized Student Organization: Oeconomica

October 2023 – Present

Member in the Econometrics Cohort

- Attend weekly lectures and faculty talks, learning about causal inference, linear regression, R, instrumental variable, L^AT_EX, and acquiring insights into the latest faculty research.

International Collegiate Programming Contest (ICPC)

October 2023 – Present

Member

- Actively participate in weekly training sessions for ICPC.

Popular Science Articles

January 2023 – Present

Organizer & Creator

- Wrote several articles on behavioral economics, touching on topics including expected utility theory and prospect theory, risk aversion and loss aversion, status quo bias, economic games, social preferences and altruism, competitiveness and the gender equality paradox, framing effect, and scarcity theory.
- Created mathematical animations for economics concepts using Python and Manim. [\[GitHub\]](#).

Online APA7 In-Text Citation Checker [\[GitHub\]](#)

June 2022 – August 2022

Developer

- Designed and developed a [webpage](#) utilizing JavaScript and RegEx to check the format of APA7-styled in-text citations.

SKILLS

Programming: Python, C/C++, R, JavaScript, HTML/CSS, Tcl

Tools: Git, NLTK, Jupyter, L^AT_EX, Pandas, NumPy, Beautiful Soup, Selenium, SciPy, Django, Manim, Jekyll, VMD

Language: Native in Mandarin Chinese

HONORS AND AWARDS

Uncommon Hacks 2024 — Winner in the Web Development track.

Rise Global Challenge — Finalist.