ADEN CHEN

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EDUCATION

The University of Chicago   Expected, June 2027
Bachelor of Arts in Economics and Mathematics   *Chicago, IL*
- **GPA:** 3.950

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 demographic compositions.
- Assisted in the development of a version of the Implicit Association Test using OpenSesame.
- Ran various natural language processing algorithms on news articles, including VADER sentiment analysis, VAD analysis, log odds ratio with Dirichlet prior, power and agency analysis, topic modeling, word embedding, and zero shot classification.

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.

LEADERSHIP & ACTIVITIES

Recognized Student Organization: Oeconomica   October 2023 – Present
Member in the Econometrics Cohort   *Chicago, IL*
- Attend weekly lectures and faculty talks, learning about causal inference, linear regression, R, instrumental variable, LATEX, and acquiring insights into the latest faculty research.

International Collegiate Programming Contest (ICPC)   October 2023 – Present
Member   *Chicago, IL*
- 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, LATEX, 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 2023 — Finalist.
John Locke Institute Global Essay Competition 2022 — Commendation.
National Olympiad in Informatics in Province, Senior Division 2021 — First Prize.