

# ADEN CHEN

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## EDUCATION

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### The University of Chicago

*Bachelor of Arts in Economics and Mathematics*

Expected, June 2027

*Chicago, IL*

- **GPA:** 3.925
- **Coursework:** Honors Calculus, Systems Programming, Multiscale Modeling of Biological Systems, Introduction to Data Science, Approaches to Digital Humanities Using Python

## RESEARCH

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### 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.

### How Perceptions of Intelligence Influence Education [\[pdf\]](#)

February 2022 – March 2022

*Researcher*

- Wrote a research paper on the interplay between students' implicit theory of intelligence and stereotype threats, classroom interventions that promote a harmful fixed mindset, and possible interventions to promote a growth mindset.

## PROGRAMMING PROJECTS

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### ESL Learning Website [\[GitHub\]](#)

September 2021 – June 2023

*Developer*

- Developed a Django-based website for interactive learning, integrating auto-generated quizzes for word comprehension.
- Recognized as a finalist in the Rise Global Challenge by Schmidt Futures and the Rhodes Trust.

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

June 2022 – August 2022

*Developer*

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

### 2048 Solver [\[GitHub\]](#)

January 2021

*Developer*

- Wrote a program in C++ that plays the game 2048 using Minimax algorithm.

## LEADERSHIP & ACTIVITIES

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### 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,  $\LaTeX$ , 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*

- Coordinated team of 15+ writers, researchers, and editors in the creation of content for a popular science blog.
- 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 ([\[GitHub\]](#)).

## SKILLS

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**Programming Languages:** Python, C/C++, R, JavaScript, HTML/CSS.

**Tools:** Git, Jupyter,  $\LaTeX$ , Pandas, Django, Manim, Jekyll