Zhiyi (Elena) Chen

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Education

- **University of Chicago, MA in Digital Studies**   *09/2023-06/2024*
  - $22,500/year scholarship recipient
- **Occidental College, Bachelor of Arts: Economics, Minor: Japanese Studies**   *08/2019-06/2023*
  - Honoree of Cum Laude
  - Honoree of Honor Thesis at Department of Economics
  - Undergraduate Research Scholarship recipient

Experience

- **Researcher | Occidental College Economics Honor Thesis** - LOS ANGELES   *01/2023-05/2023*
  - Gathered, organized, and analyzed information and data to provide causal evidence to discuss factors affecting female's participation in work in China and to predict female's job-seeking condition under gender gap after the implementation of Three-Child policy;
  - Presented in front of the faculty and students of Economics Department at Occidental College;
  - Wrote thesis "Choice Between Roles: Factors Influencing Chinese Married Females' Work Participation and A Prediction After Three-Child Policy".
- **Researcher | Occidental College Undergraduate Research Center** - LOS ANGELES   *05/2022-08/2022*
  - Gathered, organized, and analyzed information and data to provide causal evidence to discuss factors driving circular economy with the sample of S&P 500 companies and 160 countries;
  - Wrote research papers and made a poster regarding the research result;
  - Performed research at Occidental College Summer Research Conference.
- **Research Assistant | Occidental College Economics Department** - LOS ANGELES   *09/2022-06/2023*
  - Used parsing tools to code Regular Expressions and extracted state-level inland flooding data in the United States from 1072 PDFs In the Project of "Inland Flooding: Estimating Damages Using the National Water Model";
  - Extracted data of damage in each county and integrated them by states.
- **Research Assistant | Remote**   *11/2023-current*
  - Analyzed the policy of French bans on short-haul flights and investigated the net welfare effects;
  - Collected German aviation data to discuss potential short-haul flight bans in Germany

Extra Curriculum

- President | Occidental College Chinese Student & Scholar Association (CSSA)   *08/2021-06/2023*
- Teaching Assistant| Occidental College Applied Econometrics (ECON 272)   *01/2023-06/2023*
- Competition Winner | UChicago Pitch It! Grant   *02/2024*

Course Project

- Made an OWL ontology for recipe of The Legend of Zelda: Tears of the Kingdom in Data Management class   *Fall 2023*
- Made an Music Genre Recognition Project in Machine Learning class   *Fall 2023*
- Created a corpus for time-series and cross-sectional analysis for US inland flooding in Corpus Building and Corpus Analysis class   *Winter 2023*
- Making an AI-powered mobile App called TempoRun   *Spring 2024*

Skills

- Python, SQL, Stata, QGIS, OpenRefine, LibreOffice, Protégé, HTML
- NLP, Machine Learning, Data Management, Data Cleaning, Data Analysis, Data Visualization
- Microsoft office (Word, Excel, PowerPoint, etc.)
- Multi-lingual: Mandarin, English, Japanese