James Li

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EDUCATION

University of Wisconsin-Madison Senior Standing, May 2026
B.S. Mathematics, Economics & Data Science GPA: 3.5/4.0
University of California, Riverside September 2022 - June 2023
B.A. Economics Dean's Honors List, Major GPA: 3.80/4.0

COURSEWORK

Courses: Econometrics, Money and Banking, International Macroeconomic/Fiance, Data Science Programming I&II (Python) & Modeling I&II (R), Calculus(I, II, III), Linear Algebra, Probability Theory, Intermediate Microeconomic & Macroeconomic Theory, Data Visualization, Public Policy Analytics.

SKILLS

Skills: Micrsoft Office, Excel, Google Cloud Platform, GitLab, Python, RStudio, Tableau, SQL, Stata, Data Cleaning & Visualization, LaTeX, Web Scraping, Self-starter, Teamwork, Adaptability, Machine Learning, Linear Regression.
Python: SQLite3, Pandas, NumPy, Matplotlib, BeautifulSoup, Selenium, Geopanda, Flask, A/B Testing, Scikit-Learn
RStudio: tidyverse, ggplot2, dplyr, readr, lubridate, Inference, Linear Regression, Monte Carlo
Languages: English (Native Proficiency), Chinese (Native Proficiency)

EXPERIENCE

School of Business, UC Riverside | *Research Assistant* January 2023 – August 2023
- Cleaned consumer feedback on medical AI usage with **excels** then **statistical analyzed** and inference tested, with **RStudio**, to reveal the distrust among consumers towards medical AI usage, and presented to the laboratory.
- Engaged and thrived in **research conduction** and **literature review training** from Dr. Ye Li.

LEADERSHIP & INVOLVEMENT

Federal Reserve Camp, UW Madison | *Senior Research Associate/Team Lead* September 2023 – Present
- Led a team of six to analyze business surveys and economic indicators to assess the GDP performance to inform the team's monetary policy (2024 Fed Challenge).
- Leveraged economic data bases, FRED and BLS, to extract inflation and unemployment data to produce the most updated Philips Curve Model, using **Stata**, and presented to the Fed Staff (2024 Fed Challenge).
- Analyzed CBO reports to suggest to increase Child Tax Credit to $3600 to achieve an estimated $982 billion of social benefits per year, housing assistance expansion through Section 8, and reduction in U.S. Child Care Stabilization Program due to diminishing marginal return (2023 Fiscal Challenge).

Economic Development Case Competition | *Team Lead* October 2024 – November 2024
- Applied and led a team of 5 to identify and mitigated regional economic impacts from the closure of the local coal plant in Columbia County, Wisconsin during its mission to transition towards renewable energy.
- Utilizde **excel** and **tableau** to visualize the higher personal income of the impacted demographic than the county's median, identified inelasticity and resistance to the unemployment shock and informed the team's suggestion.
- Identified the aging structure of the labor force and the declining labor force participation rate of the county, thus incorporated consideration towards the impacted demographic in our team's suggestion.

New York Model United Nations Competition | *Delegate Team Member* September 2022 – June 2023
- Represented UC Riverside in delegation for South Sudan in the General Assembly II. Obtained Excellent Delegation Award, ranked top 5% in the New York National Model United Nations Competition.
- Utilized international databases: UN Digital Library, World Bank Open Data, and the IMF data bases to conduct extensive policy research, position papers, and speeches that effectively conveyed our assigned country's stance.

Mathematical Contest in Modeling | *Organizer* February 2023 – February 2023
- Initiated and led the only team of three students to represent UC Riverside in the 2023 math modeling contest.
- Constructed systems of differential equations modeling biodiversity, neighbor, and droughts effect on plant interactions in a 25 pages document within 3 days in LaTeX.
- Utilized **Python** to conduct linear regression fit and calculation of correlation on dataframes.