

Isabel Chen

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EDUCATION

University of California, Berkeley

May 2026

B.A. Economics, B.A. Data Science

Major GPA: 4.0/4.0

- **Relevant Coursework:** Econometrics, Data Structures, Principles and Techniques of Data Science, Computational Structures in Data Science, Money and Banking, Microeconomics, Macroeconomics, Linear Algebra and Differential Equations

TECHNICAL SKILLS

Languages: Python, SQL, R, JavaScript, Java, HTML, CSS

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, XGBoost, Tidyverse

Software: Microsoft Office (Excel, PowerPoint, Word), Tableau, VSCode, Jupyter Notebook, Stata, PowerBI

EXPERIENCES

UC Berkeley, Department of Agricultural and Resource Economics

Berkeley, CA | Aug 2024 - Present

Undergraduate Researcher

- Worked closely with Professor Francis Annan
- Assisted in literature review regarding nightlight data to define a threshold value to measure poverty levels
- Manage data integrity by handling missing values, encoding categorical variables, and implementing regex patterns to unify formatting for analysis and processing, enhancing quality by 40%
- Built a machine learning model to predict how companies respond to changes in government funding for transportation programs

Econ 1: Introduction to Economics

Berkeley, CA | Aug 2024 - Present

Head Teaching Assistant

- Prepare and host exam review sessions for over 200 students and rated above average (4.8/5 : 4.4/5) for effectiveness
- Host discussion sections for students and create engaging questions and problem sets for students to practice
- Lead and facilitate weekly meetings with Professor James Campbell and other course staff

Chem Consulting LLC

Remote | Aug 2024 - Present

Data Analyst Intern

- Performed in-depth market and pricing analysis to assess and optimize industry trends, competitiveness, and profitability
- Analyzed large datasets using tools like Excel and SQL, identifying opportunities in underserved market segments, leading to a 15% increase in customer acquisition
- Developed predictive models to forecast market demand, optimizing product positioning and reducing investment risk by 25%

LEADERSHIP

Berkeley Economic Review

Berkeley, CA | Jan 2024 - Dec 2024

Senior Staff Writer

- Published 3 articles a semester on topics in economics such as [impacts of COVID-19 on consumption](#) and [women's job application behavior](#)
- Interviewed Professor Emi Nakamura about her research in consumer prices and discussed her research in an [article](#)

Peer Reviewer

Jan 2025 - Present

- Reviewed 20+ research paper submissions, providing in-depth feedback on research design, data analysis, and conclusions
- Assessed manuscripts for originality and contribution to the field, and evaluated statistical analyses for accuracy and producibility
- Identified and flagged potential ethical concerns such as plagiarism, conflicts of interest, or data manipulation

KALX 90.7 FM

Berkeley, CA | Aug 2023 - Jan 2025

Head News Producer

- Oversaw a 150% increase in listener engagement for news broadcasting by expanding broadcasting days to Mondays through Fridays and covering topics in the economy and U.S. politics
- Conducted interviews and edited audio for research podcasts about the life of a medical doctor in the former Soviet Union and the US 2024 Election

PROJECTS

Customer Churn Prediction | [LINK](#)

Mar 2025 - Apr 2025

- Developed and fine-tuned classification algorithms and machine learning models (e.g. logistic regression, random forest) to predict customer churn and achieving above 80% prediction accuracy
- Created a survival analysis model to visualize when customers typically churn and the company's survival and exit in the market
- Visualized correlations in heatmaps and bar charts between key variables (e.g. demographics, service types) and customer churn by leveraging Matplotlib and Seaborn, providing insights into factors influencing market behavior