

ISABEL CHEN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

May 2027

B.A. Economics, B.A. Data Science (Economics Emphasis), Minor in Public Policy

Major GPA: 4.0/4.0

RELEVANT COURSEWORK: Econometrics, Data Structures, Principles and Techniques of Data Science, Computational Structures in Data Science, Data Science for Economists, Microeconomics, Macroeconomics, Linear Algebra and Differential Equations, Ethics in Data

EXPERIENCES

UC BERKELEY, DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS

Berkeley, CA

Research Assistant

Aug 2024 - Present

- Compiled, cleaned, and processed 600,000+ light intensity data entries for each MMDA in Ghana for regression and spatial analysis
- Manage data integrity by handling missing values, normalizing survey data, encoding categorical variables, and applying regular expressions to standardize formats across datasets, significantly improving preprocessing efficiency and data quality by over 40%
- Built a machine learning model using Scikit-Learn to predict CPI after transportation subsidies, contributing to policy evaluation

UC BERKELEY, DEPARTMENT OF ECONOMICS

Berkeley, CA

Head Teaching Assistant - Econ 1: Introduction to Economics

Aug 2024 - Present

- Design and facilitate 4 exam review sessions for over 200 students; consistently received above-average ratings for teaching effectiveness
- Lead weekly team meetings with other teaching assistants to discuss exam content and student progress to improve teaching methods

CHEM CONSULTING LLC

Gaithersburg, MD

Marketing & PR Intern

May 2024 - August 2024

- Coordinated logistics for internal and external events with 50–300+ attendees, including venue booking and run-of-show planning
- Maintained communication with guest speakers, panelists, and VIP attendees to ensure clear expectations and to optimize engagement

PROJECTS

CUSTOMER CHURN PREDICTION | [LINK](#)

Mar 2025 - Apr 2025

- Implemented classification and machine learning models to predict customer churn and achieved above 80% prediction accuracy
- Constructed 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 consumer behavior and model feature selection

PERSONAL PORTFOLIO WEBSITE | [LINK](#)

Apr 2025

- Engineered a website incorporating interactive UI components using React and Tailwind CSS to showcase skills, projects, and portfolio

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

BERKELEY ECONOMIC REVIEW

Berkeley, CA

Internal Vice President

Jan 2025 – Present

- Strengthened industry connections by organizing an office tour with Cornerstone Research and coffee chats with the consultants
- Assembled a speaker panel featuring all leading economic professors and industry experts specializing in space commercialization
- Doubled club engagement and applications by implementing new recruitment and professional development workshops and events

Peer Reviewer, Senior Staff Writer

Jan 2024 - Jan 2025

- Evaluated 20+ research paper submissions for the journal by assessing research quality, methodological rigor, and academic relevance
- Flagged potential ethical concerns, such as plagiarism, data manipulation, or conflicts of interest, to uphold publication integrity
- Published bimonthly on economics topics such as [impacts of COVID-19 on consumption](#) and [women's job application behavior](#)

KALX 90.7 FM

Berkeley, CA

Head News Producer

Aug 2023 - Jan 2025

- Oversaw a 150% increase in listener engagement for news broadcasting by expanding broadcasting days to Mondays through Fridays
- Conducted interviews and edited podcast audio that was aired live about the life of a former medical doctor in the former Soviet Union

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Python, SQL, R, JavaScript, Java, HTML, CSS

LIBRARIES & FRAMEWORKS: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, XGBoost, React, Tailwind CSS, Tidyverse

SOFTWARE: Microsoft Office Suite (Excel, PowerPoint, Word), Tableau, VSCode, Jupyter Notebook, Stata, PowerBI, AWS, MySQL

INTERESTS: Podcaster on [Spotify](#), Reading, Poker, Solitaire, Film, Live Music, Formula 1, UI/UX, Traveling, Running