

# YIYANG CHEN

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## EDUCATION

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### University of California at Berkeley

2019 – 2023

Bachelor of Arts in Economics, Highest Honor

Bachelor of Arts in Computer Science

High Distinction in General Scholarship, GPA: 3.96

Senior Honors Thesis: “*Tax Revenue Cyclicity and Income Inequality: Evidence from U.S. counties from 1989 to 2019*”

Advised by Prof. Emi Nakamura

## HONORS & AWARDS

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- Michael and Chris Boskin Scholarship Award (2022)
- President’s Volunteer Service Award (2018)

## EXPERIENCES

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### Research Fellow, Harvard University

Jul 2023 – Present

- Working with Prof. Melissa Dell on deep learning methods and its application in economic history and political economy
- Developed deep learning pipeline to deduplicate and cluster newspaper scan images
- Supervised training and evaluation of topic classifiers on newspaper texts; created a pipeline to incorporate GPT

### Research Assistant, University of California at Berkeley

Sept 2020 – May 2023

- (Fall 2022 – Spring 2023) Assisting Prof. Ulrike Malmendier on “*Politician Voting*”: Assemble datasets from CRSP, stockwatcher, and other sources; perform analysis on how politicians’ life experience affect their voting decisions and investment decisions; scraped amendment texts from the Library of Congress and performed NER on texts
- (Fall 2022) Assisting Prof. Robert Edelstein on “*Globalization and Climate Change*”: Assemble warm-house gases and sustainable technology datasets; examine causal relationship with natural experiments
- (Fall 2021 – Spring 2022) Assisting Oliver Kim (PhD) and Joel Ferguson (PhD) on “*Satellite Imagery and Historical East Asian Economic Growth*”: Apply machine learning methods and train satellite data to predict Chinese economic growth status during 1950-1960s; gather gazetteer data and fetch geographical information used in training
- (Fall 2020 – Spring 2021) Assisting Jimmy Narang (PhD) on “*Misinformation and Belief Updating*”: Help with logistic and design of experiment model used in the research; gather empirical observations and perform preliminary analyses

### Teaching Assistant for Econ 148 and Data 88E, UC Berkeley Data Science

Sept 2021 – May 2023

- Develop and update original course content (including textbook, lecture materials and lab notebooks)
- Give lectures; hold discussion sections and office hours; manage class logistics (websites, discussion forums, etc.)

### Peer Tutor and Course Liaison, UC Berkeley Student Learning Center Economics Program

Jan 2021 – Dec 2021

- Provide drop-in tutoring service to students in Econ 136: Financial Economics class
- Coordinate peer tutors in the cluster and connect with the professor and offer students’ feedback
- Hold exam review sessions and special workshops (academic and career)

### Co-Author, Research on Fiscal Expenditure and Education Quality

Jul 2018 – Sept 2018

- Our paper “*Fiscal Expenditure and Education Quality in China: A Regional Heterogeneity Analysis*” published in *European Journal of Marketing and Economics* September – December 2018 Vol. 1, Issue 3