






Peter Zhang

 petez@berkeley.edu  (240) 994-2204  peterzha.ng  petezh  pjz

Education

University of California, Berkeley

Berkeley, CA

Computer Science, Economics, & Operations Research B.A., Public Policy Minor; 3.98 GPA

2020–2023

Coursework: ML+AI, Data Science, Econometrics+Inference, Macro+Micro, Behavioral Econ/Finance, Probability

Activities: Voyager Consulting, Traders at Berkeley, Debate Society of Berkeley, Daily Californian, CS Mentors, UPE

Experience

Susquehanna International Group

Bala Cynwyd, PA

Quantitative Trading Intern

Jun 2022–Aug 2022

- Designed and built NLP model to predict trading volume that was immediately used by traders in production.
- Completed rigorous finance/options curriculum; competed in mock trading and various strategic games.

Berkeley Natural Language Processing

Berkeley, CA

Research Assistant for Ruiqi Zhong

Jan 2022–Present

- Fine-tune large language models (GPT, UnifiedQA, etc.) for social science applications, e.g. political slant.
- Built novel benchmark of 50+ interdisciplinary NLP tasks; improved algorithm efficiency to save compute.

Berkeley Economics

Berkeley, CA

Research Assistant for Prof. Ulrike Malmendier

Jan 2022–Present

- Scrape, format, and analyze dozens of datasets for behavior econ: macroeconomics, CEO pay, business activity.
- Review literature, draft/propose sections, and copy edit for book proposal about experience effects.

Bill and Melinda Gates Foundation

Seattle, WA

Contract Consultant

Sep 2021–May 2022

- Synthesized 300+ research publications and interviewed 11 topic experts on medical product quality in Africa.
- Led team of 5 to write 120-page report with investment recommendations which shaped Foundation strategy.

Amazon Web Services

Arlington, VA

Software Development Engineer Intern

Jun 2021–Aug 2021

- Designed and developed a scalable, serverless tool to notify customers of service issues with a flexible API
- Rapidly tested and iterated in an agile workflow, using Java/Typescript and AWS services (CDK/SQS/Lambda)

National Cancer Institute

Rockville, MD

Research Assistant

Jul 2019–Oct 2021

- Scraped/reformatted 1+ billion gene expression data from cancer drug trials for efficient, on-demand user query.
- Developed R Shiny graphing/analysis app with one-click, Electron app, published first-author in Bioinformatics.

The Bronx High School of Science

Bronx, NY

Assistant Debate Coach

Aug 2020–May 2021

- Led 2 practices/week for 30+ Lincoln-Douglas debaters and drilled 1-on-1, qualifying to the national championship.
- Judged and coached at 18 national, multi-day tournaments, providing strategic advice and feedback to competitors.

National Institute of Standards and Technology

Gaithersburg, MD


Economics Research Intern

May 2020–Sep 2020

- Annotated 57 papers on resilience planning to assess the role of co-benefits in recent benefit-cost analysis.
- Published user manual/case study for Edge\$, a decision-making software app to help community leaders.

Skills

 **Fluent:** Python, Numpy/Pandas, R, Dash/Shiny, Java/Kotlin, \LaTeX , Git/Terminal, SQL, functional programming

 **Proficient:** Pytorch/Huggingface, C/C++, HTML (Liquid), CSS, JavaScript/React, Azure/AWS, WordPress

Awards

Citadel West Coast Datathon, 3rd Place

Apr 2022

DSS x NIB Datathon for Social Good, 1st Place

Nov 2021

Venture Capital Investment Competition; National Finalist

Apr 2021

National Speech and Debate Tournament; 6th Place

Jun 2020