

Khanh Pham

3180–3182 Social Science Plaza A, UC Irvine, CA 92697 | khanhp4@uci.edu | 971-386-9358

Education

Ph.D. in Economics, University of California, Irvine	Expected 2028
M.A. in Economics, University of California, Irvine	2025
B.S. in Economics & B.A. in Mathematics, Texas Christian University	2024

Work Experience

University of California, Irvine	Irvine, CA
Graduate Student Researcher — Data Science & AI	2026–Present

- Lead **data science research**, translating **user and AI behavior** into **experiments, metrics, and analytical frameworks**.
- Design and evaluate **experiments and statistical analyses** across LLMs, measuring **responses and preferences** by condition.
- Build **Python & API pipelines** to collect, validate, and analyze **large-scale, high-dimensional experimental datasets**.
- Analyze **behavioral and survey data** with **statistical modeling and predictive analytics** to identify **preference insights**.
- Develop **measurement methodologies and core metrics** to evaluate behavior, compare conditions, and identify opportunities.
- Translate findings into **visualizations, recommendations, and stakeholder-ready insights** for varied audiences.

Stanford Graduate School of Business	Stanford, CA (Remote)
Data Scientist Intern	Jun 2023–Jan 2024

- Built and analyzed a **100-year cross-country banking dataset** from central-bank records spanning 1870–1970.
- Used **Python & SQL** for **extraction, transformation, reconciliation, and validation** across complex financial datasets.
- Applied **causal inference (DiD)** and **statistical modeling** to regulation, identifying a **13.7% decline in banking access**.
- Developed **metrics and exploratory analyses** to identify trends and translate findings into **actionable insights**.

American Legislative Exchange Council	Arlington, VA
Data Scientist Intern	Jun 2022–Aug 2022

- Conducted **exploratory analysis** on a **30-year panel dataset across 15 states** to identify employment patterns.
- Applied **causal inference (Difference-in-Differences)** to evaluate policy effects, identifying a **4% employment increase**.
- Created **visualizations, reports, and recommendations**, translating findings into **actionable stakeholder insights**.

Texas Christian University, Department of Economics	Fort Worth, TX
Quantitative Analyst Student Intern — Forecasting & Statistical Modeling	Aug 2022–May 2023

- Built a 234-quarter macroeconomic dataset and conducted **exploratory and predictive analyses** of indicators and forecasts.
- Applied **statistical modeling, forecasting, and time-series analysis** using GLS, Dickey–Fuller, and Breusch–Godfrey.
- Designed and evaluated **model performance metrics**, with explanatory power ranging from **24.1% to 49.4%**.
- Investigated **forecast errors and performance trends**, identifying **threefold prediction error** during recessions.

University of California, Irvine, Department of Economics	Irvine, CA
Teaching Assistant	Sept 2025–Present

- Lead quantitative discussions covering **economics, probability, statistics, and analytical problem-solving**.
- Explain **technical concepts, assumptions, and quantitative findings** clearly to audiences with varied technical backgrounds.
- Collaborate with faculty in a fast-moving environment to **evaluate performance, troubleshoot problems, and meet goals**.

Technical Skills

Programming & Data Analysis: Python, SQL, R, PySpark, Stata, SAS, MATLAB, API Automation, Data Pipelines, Data Extraction, Data Transformation, Data Wrangling, Data Cleaning, Data Validation.

Statistics, Machine Learning & Econometrics: Statistical Modeling, Machine Learning, Predictive Modeling, Econometrics, Causal Inference, Difference-in-Differences, Time-Series Analysis, Forecasting, Statistical Testing.

Experimentation, Measurement & AI: Experimental Design, A/B Testing, Metric Development, Product Measurement, Survey Analysis, Behavioral Analysis, Large Language Models, LLM Evaluation, AI Analytics, AI Product Measurement.

Analytics, Visualization & Communication: Exploratory Analysis, Ad Hoc Analysis, Performance Measurement, KPI Analysis, Analytical Frameworks, Data Visualization, Power BI, Tableau, Microsoft Excel, Analytical Reporting, Data Storytelling, Stakeholder Communication.

Selected Honors & Fellowships

NABE Scholar, National Association for Business Economics	2026–2027
UCI Summer Research Fellowship, University of California, Irvine	2026
Senior Scholar, Department of Economics, Texas Christian University	2024
Phi Beta Kappa; Pi Mu Epsilon; Omicron Delta Epsilon	2023