

# Qinuo(Kino) Yang

(She/Her)

Phone: +1-510-221-8600

E-mail: yangqinuo@berkeley.edu

[LinkedIn](#)

## Education

### University of California, Berkeley

Sep. 2024 - May. 2025

Master of Computational Social Science; GPA: 3.92

Berkeley, CA

Relevant Courses: Advanced Computing (Python), Applied Statistics (R), Data Ethics and Society

### University of Chinese Academy of Social Sciences

Sep. 2020 - Jul. 2024

Bachelor of Economics; GPA: 3.95

Beijing, China

Data Science Minor Equivalent: Completed 15 related courses (40+ credits); GPA 4.00

Relevant Courses: Machine Learning, Deep Learning, Web Scraping, Data Analysis, Statistics, Linear Algebra

## Skills

- **Programming:** Python (Pandas, Numpy, TensorFlow, PyTorch), STATA, R, Matlab, HTML, CSS
- **Data Analysis:** SQL, Advanced Excel, Tableau, Power BI, SAS, SPSS
- **Languages:** Mandarin (Native)
- **Other Skills:** Github, LaTeX, Microsoft Office

## Work Experience

### Trek Health

May. 2025 - Present

#### Data Scientist Intern

San Jose, CA

- Built a full-stack **LLM-powered policy metadata pipeline** to automate healthcare policy analysis for Trek Health's AI product, integrating AWS Lambda-triggered web scraping, GPT-4o prompt engineering, and Snowflake ingestion, enabling real-time updates from newly released policies.
- Developed **Snowflake SQL** workflows to transform and join LLM-extracted metadata with client targeting rules by specialty, region, and policy type, powering personalized notifications and contract strategy insights for enterprise healthcare clients.
- Fine-tuned a custom **BERT-BiLSTM-CRF NLP model** to extract structured metadata from confidential healthcare contracts, using a Dockerized DeepSeek-R1 pipeline for data preparation and BIO-tagged span labeling across multiple field types.

### JellyJelly

Mar. 2025 - Jun. 2025

#### Data Scientist Intern

Remote | New York, NY

- Designed and implemented a **video recommendation system** using SQL on Supabase, ranking 10,000+ videos based on likes, tips, comments, and recency to boost user engagement.
- Integrated **Gemini AI model via Vertex AI** for automated video tagging, led prompt engineering and backend integration to support real-time personalization.
- Collaborated with the engineering team to design ETL pipelines and streamline backend workflows, aligning data ingestion and transformation with product requirements.

### Mercer Consulting

Sep. 2023 - Aug. 2024

#### Consultant Intern

Beijing, China

- Led data analysis for the **2023 Automotive HR Benchmarking Project**, covering 800+ dealerships across China; identified compensation trends and workforce inefficiencies.
- Processed 70,000+ employee records using **MySQL**, optimizing query performance and standardizing compensation benchmarks for internal models.
- Built interactive dashboards in Tableau and Excel, enabling real-time insights into salary distribution, job-level segmentation, and retention risks.
- Delivered customized, executive-facing reports and recurring reporting dashboards, translating complex data into actionable HR strategies aligned with market dynamics.

## Research Experience

### Whisper Chinese Speech Recognition Fine-tuning & Deployment System

Aug. 2024 - Dec. 2024

- Developed a fine-tuned Whisper speech recognition system using LoRA/AdaLora techniques, achieving 65% reduction in Chinese character error rate (from 8.8% to 3.1%) on AIShell dataset.
- Implemented parameter-efficient fine-tuning with only 1% trainable parameters, reducing training cost by 90% while maintaining model performance.
- Integrated multiple acceleration techniques (CTranslate2, FlashAttention2) to improve inference speed by 40%.
- Built end-to-end pipeline from data preprocessing (AIShell/WenetSpeech datasets) to model deployment (Web API, Desktop GUI, Android app).