Hank Sha

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WORK EXPERIENCE

AI/ML Engineer Intern | San Francisco, CA
GitRoll | *September 2024 – May 2025*

- Designed and evaluated **LLM-based scoring and classification systems** to assess contribution quality, analyzing behavioral patterns across **1.4M+ users** and translating model outputs into **actionable product signals**.
- Built **quantitative evaluation frameworks and benchmarks** to track grading consistency, bias, and performance, driving a **20% improvement** over prior models and improving trust in downstream product metrics.
- Conducted **comparative analysis of foundation models** (ChatGPT, Gemini, Claude), optimizing cost–quality tradeoffs and reducing inference costs by **13%**, informing data-driven product and infrastructure decisions.

Research Assistant | Riverside, CA (Remote)
University of California, Riverside | *June 2025 - Present*

- Conducted **quantitative analysis of model behavior**, translating mathematical formulations from recent ML research into reproducible PyTorch experiments.
- Evaluated **model robustness and failure modes** under distribution shifts, producing structured analyses to support reliable performance tracking.
- Communicated findings through **clear technical documentation**, enabling collaboration with researchers and iterative refinement of evaluation metrics.

Clinical Data Scientist Intern | Fremont, CA (Remote)
ABVC BioPharma | *August 2025 - November 2025*

- Applied **statistical modeling and ML techniques** to clinical trial datasets, delivering interpretable insights that informed trial design and operational decisions.
- Designed **data validation, anomaly detection, and cohort consistency checks**, identifying silent data issues and improving data reliability prior to modeling.
- Developed predictive models achieving **83% AUC-ROC and 100% recall**, influencing clinical strategy and contributing to **$800K+ projected cost savings**.

Venture Scout | (Remote)
Bouken Capital | *Sept 2025 - Present*

- Source and evaluate AI, healthcare, and infrastructure startups; analyze technical defensibility and applied AI opportunities.

PROJECTS

AI Marketer & Analyst

- Built an agent system that autonomously **ingests, transforms, and analyzes competitor data**, automating 200+ hours/year of manual workflows.

Stock Query Engine

- Created a production-ready data app with **SQL-backed transformations**, interactive visualizations, and cloud deployment.

EDUCATION

University of California, Santa Barbara | **Goleta, CA**
B.S. Statistics and Data Science | *June 2026*
Relevant Coursework: Linear Algebra, Machine Learning, Probability & Random Processes, Statistical Inference
Activities: Data Science Club, Taiwanese Student Association (Secretary), New Venture Program

SKILLS

Data Science & Analytics: Statistical modeling, metric design, evaluation frameworks, cohort analysis, anomaly detection
Programming: Python, SQL, PyTorch
Machine Learning: Supervised learning, classification, model evaluation, LLM-based systems