

EDUCATION

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| Cornell University <i>Bachelor, Computer Science</i> <ul style="list-style-type: none">• GPA: 3.97 Honors: TA for Grad Machine Learning, Ex-President of Cornell Data Science, Teradata Analytics Challenge 1st Place | Ithaca, New York December 2024 |
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WORK EXPERIENCE

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| Adobe <i>Data Science Engineer</i> <ul style="list-style-type: none">• Building prediction, targeting, and recommendation systems for Adobe Acrobat & AI Assistant to drive subscriber growth.• Productionized machine learning models to optimally target audiences for marketing promos and campaigns, earning \$600k ARR.• Developed ML model that predicts subscription purchase group, earning \$400k GNARR by personalizing offers. | San Jose, California Feb 2025 - Present |
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| Cornell University <i>Researcher</i> <ul style="list-style-type: none">• Current: Intra-GPU memory offloading between multiple GPUs to speed up data center LLM inference (PI: Prof. Rachee Singh)• Current: Training small LLMs' complex reasoning capabilities through synthetic datasets (PI: Prof. Kilian Weinberger) | Ithaca, New York Feb 2023 - Present |
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| Adobe <i>Data Scientist Intern</i> <ul style="list-style-type: none">• Developed end-to-end and productionized subscription likelihood prediction model, enabling targeted discounts and pop-ups for 4.5M Acrobat users. Implemented product variants and A/B tests (estimated \$1M ARR increase), launched 2024 Q4.• Identified 1M related users with graph algorithms, enabling recommendations for engagement and upsell worth \$100k ARR.• Orchestrated compute clusters and set up model deployment and performance monitoring systems (Airflow, Databricks).• Improved product-usage compute logic for 1B Photoshop events, reducing compute time from days to hours (Azure, Spark). | San Jose, California May 2024 - Aug 2024 |
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| ArXiv <i>Research Engineer</i> <ul style="list-style-type: none">• Developed classifiers to tag research paper submissions categories for Cornell's arXiv platform (4M monthly active users).• Fine-tuned LLMs to encode text corpuses for document search (3% improvement in first search result compared to ElasticSearch).• Improved ROME's (search algorithm) fact editing algorithm to utilize caching, decreasing average query response time by 20%. | Ithaca, New York Feb 2024 - Dec 2024 |
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| Bank of America <i>Machine Learning Intern (Quantitative Summer Analyst)</i> <ul style="list-style-type: none">• Built automated hallucination evaluation infrastructure for chatbot with 40M users and designed out-of-distribution detection system for questions, increasing helpfulness by 30%. Business unit estimated \$1M savings, work featured at July Townhall.• Tuned chatbot training objective for a 3% improvement in top 25 customer queries and 20% improvement in 10 hardest requests.• Researched chatbot-hallucination's sensitivity to paraphrasing, eliminating 40% of hallucination while retaining 90% of truth. | Charlotte, North Carolina Jun 2023 - Aug 2023 |
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PUBLICATIONS

PhantomWiki: Generating Reasoning and Retrieval Datasets On-Demand (ICML 2025)
A. Gong, C. Wan, K. Stankeviciute, A. Kabra, J. Lee, R. Thesmar, J. Klenke, C. Gomes, and K. Q. Weinberger

- A synthetic dataset generation pipeline for multi-step LLM reasoning across multiple data-sources to address data contamination.
- Implemented Agentic and RAG LLMs for evaluation, built knowledge-graph to dataset generation pipeline (PyTorch, vLLM, HF).

Towards Safe and Ethical AI (Global Review of AI Community Ethics, 2025 Vol. 3. No 1)
J. Lee and D. Lee

- Surveyed and analyzed benchmarks for evaluating bias and hate of LLMs, identifying systemic weaknesses and scaling issues.

PROJECTS

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| Document Processing Webapp For Unstructured Data <ul style="list-style-type: none">• Built full stack webapp (React, Java, Python, PostgreSQL, AWS) with 30+ API endpoints for this document processing system.• Implemented secure billing, role-based access controls, async processing workflows, rate limiting, caching to handle enterprises. | Feb 2025 - Present |
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TECHNICAL SKILLS

Languages: C++, Java, Python, SQL, C, Bash, Shell, OCaml, JavaScript / TypeScript, HTML, CSS, PHP
Frameworks and Cloud: Pytorch, Tensorflow, Azure, AWS, Spring Boot, Flask, Django, React, Vue, D3.js, Scikit-learn, Pandas
Tools and Database: Spark, Docker, Databricks, Airflow, MySQL, DynamoDB, MongoDB, Cassandra, Git, GitHub, Linux