

Jack Yang

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EDUCATION

New York University

Bachelor of Arts in Computer Science

May 2025

New York, NY

- Relevant Courses: Software Engineering, Operating Systems, Parallel Programming, Algorithms, Data Structures

EXPERIENCE

Kura Labs x Google

Machine Learning Intern

Aug 2025 – Present

New York, NY

- Engineered multi-agent Slack bot, integrating 5 APIs and PostgreSQL database, deployed via Docker containers
- Implemented autonomous agents in Python with LangChain and LangGraph to orchestrate complex workflows
- Configured MCP and A2A protocol servers to provide infrastructure for agent communication and API tool calls

Pulp

Software Engineering Intern

Apr 2025 – Jun 2025

New York, NY

- Reduced resume service runtime by 80% by enabling async processing for 16 serverless AWS Lambda functions
- Built mobile-responsive website with RAG chatbot using Next.js, React, and TypeScript, hosted on AWS Amplify
- Created REST endpoints for automated ETL pipeline using Pinecone SDK to manage vector database for LLMs
- Optimized database API usage with 90% fewer calls, enhancing scalability and maintaining budget across SDLC

Angi

Software Engineering Intern

Jun 2024 – Aug 2024

New York, NY

- Increased Google Search click-through rate by 12% by modifying JSON-LD schema for SEO and Google indexing
- Enabled Contentful workflow for 2,800 employees by integrating 3 microservices across distributed architecture
- Achieved 2,000 ms updates by building REST API in Spring Boot with Redis caching to fetch from GraphQL layer
- Wrote 10+ unit tests with JUnit, performed code reviews, and deployed changes through Jenkins CI/CD pipeline

People Inc.

Software Engineering Intern

Jun 2023 – Aug 2023

New York, NY

- Reduced max page latency by 39% by lazy loading videos and thumbnails served via Akamai CDN and AWS S3
- Improved avg. page load time at scale to 850 ms for 40M+ visitors, validated through A/B testing and Grafana
- Designed R&D data pipeline from Google Cloud BigQuery using SQL and Python for downstream model training

NYU FAMS Robotics Lab

Software Engineering Intern

Jul 2022 – Apr 2023

New York, NY

- Led 20+ member Agile team to build waste sorter using 3 NVIDIA robot arms, open-source CNNs, and OpenCV
- Developed low-latency motion control algorithms and embedded Linux applications via CUDA, C++, and Python

PROJECTS

High-Fidelity Data Distillation Tool for Language Models

Python, PyTorch, Hugging Face, Scikit-Learn, Pandas

Mar 2023 – Nov 2023

GitHub

- Created algorithms to optimize computation performance using k-means, cosine similarity, and vector scoring
- Boosted precision of SLM (2.7B) from 35% to 72% on Q&A after fine-tuning using 4:1 dataset compression ratio

SKILLS

Languages: Python, SQL, JavaScript, TypeScript, C, C++, Java, Kotlin, HTML, CSS, XML

Libraries and Frameworks: TensorFlow, React, Next.js, FastAPI, Spring Boot, Pandas, JUnit

Services and Tools: AWS, Docker, Linux, PostgreSQL, MongoDB, REST APIs, GraphQL, Git, Jira