Jack Yang

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EDUCATION

New York University   New York, NY
Bachelor of Arts in Computer Science   May 2025
- Relevant Coursework: Software Engineering, Operating Systems, Parallel Programming, Data Structures

EXPERIENCE

Kura Labs   New York, NY
Agentic Engineering Trainee   Aug 2025 – Present
- Selected for 6-week training program partnered with Google in multi-agent systems and AI infrastructure
- Deployed Slack bot with n8n and Docker, encapsulating 5 APIs and 2 agents utilizing PostgreSQL memory

Pulp   New York, NY
Software Engineering Apprentice   Apr 2025 – Jun 2025
- Reduced service runtime by 80% by parallelizing 16 AWS Lambda functions used for scoring candidates
- Built mobile-responsive demo page with RAG-based chatbot using Next.js, React, TypeScript, and Groq
- Designed endpoints for ETL pipeline and utilized Pinecone SDK to index vector database used by LLaMA

Angi   New York, NY
Software Engineering Intern – Content Management System   Jun 2024 – Aug 2024
- Increased Google Search click-through rate by 12% and deployed SEO changes through CI/CD pipeline
- Enabled no-code landing page updates for org of 2,800 by integrating 3 microservices with Contentful
- Achieved 2s updates by building REST API in Spring Boot with Redis cache to fetch from GraphQL layer

Dotdash Meredith   New York, NY
Software Engineering Intern – Health.com and Parents.com   Jun 2023 – Aug 2023
- Improved max page latency with videos by 39%, resulting in increased performance for 200M+ visitors
- Reduced average response time on article pages by 2% to 850 milliseconds by optimizing image loading

Flexible AI-Enabled Mechatronic Systems Lab, NYU   New York, NY
Software Team Lead – Machine Learning and Rigid Robotics   Jul 2022 – Mar 2023
- Led 20+ member Agile team to prototype waste sorting system using 3 NVIDIA robotic arms and OpenCV
- Developed low-latency motion control algorithms and embedded systems using CUDA, C++, and Python

PROJECTS

High-Fidelity Data Distillation Tool for Language Models   github.com/jackyang25
Python, PyTorch, Hugging Face, Scikit-Learn   Mar 2023 – Nov 2023
- Created algorithms for corpus size reduction using k-means, cosine similarity, and weighted text scoring
- Boosted precision of SLM (2.7B) from 35% to 72% on Q&A after fine-tuning using 4:1 compression ratio

SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, Kotlin, SQL, HTML/CSS, XML
Libraries & Frameworks: TensorFlow, scikit-learn, NumPy, Pandas, React, Next.js, JUnit
Databases & Tools: PostgreSQL, MongoDB, BigQuery, Pinecone, Neo4j, Git, Postman, Jira
Infrastructure & Cloud: Amazon Web Services (AWS), Docker, Linux, n8n, OpenMPI