

Namkhang Le

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Experience

META (FACEBOOK))

Menlo Park, CA

Software Engineer

August 2025 - Present

- Architected a semantic search and embedding-based retrieval system, improving content discovery and content accuracy.
- Standardized LLM evaluation pipelines to benchmark GenAI features, reducing hallucination rates by 34% and accuracy by 12%.
- Shipped new GenAI feature on Android, launching AI-powered summaries and contextual suggestions to X+ billion users.
- Led development of an internal full-stack application (React, GraphQL) that scaled Facebook's meme strategy across surfaces, enabling automated content analysis, curation workflows, and cross-functional collaboration.

AMAZON WEB SERVICES (AWS)

Arlington, VA

Software Development Engineer Intern

May 2024 – August 2024

- Engineered a Java and Spring-based customer-facing communication service to automate the delivery of 10+ Government Cloud request email notifications (received, approved, denied) per day by enabling seamless integration with 3 native AWS packages.
- Redesigned a 13-year-old email system into a scalable, end-to-end microservices architecture using AWS SWF, SNS, and SQS achieving a processing rate of over 5 transactions per second (TPS), ensuring redundancy and autoscaling across the application.
- Architected a 1st place-winning Amazon Bedrock-powered AI onboarding buddy, fine-tuned on internal documentation, to significantly reduce ramp-up lag time for new software engineers company-wide and reducing question response time.

CITIGROUP

Tampa, FL

Software Engineer Intern

June 2023 – August 2023

- Spearheaded Event Master Central, a full stack application for real-time corporate action event monitoring of financial assets in Angular & Oracle Database increasing engineering awareness of deployment failures by 18%.
- Revamped authentication logic, fortifying API token validation for REST API calls, contributing an 85% uptime to production.
- Orchestrated seamless integration with Institutional Services Group's Cloud services using Spring Boot, optimizing performance through JSON-based HTTP requests, and enhancing overall efficiency by 15% across the application.
- Leveraged 2 Python's Pandas DataFrame to analyze surface temperatures vs global domestic product, resulting in a 0.8 positive correlation within Tableau in support of Citi's 1 trillion dollar commitment to sustainable finance.

LOCKHEED MARTIN

Manassas, VA

Software Engineer Intern

May 2022 – August 2022

- Trained a wildfire-based infrastructure identification AI model through Kubeflow, Pytorch, & Tensorflow, with 98% accuracy.
- Implemented a real-time data monitoring interface in Spring, driving a 20% increase in operator awareness & object tracking.
- Transformed codebase maintainability by converting logging levels from Apache Log4J to SLF4J, achieving 80% code coverage.
- Collaborated with quality analysis team to execute comprehensive testing, resulting in a 12% reduction in logging inefficiencies.

Projects

Georgia Tech Computer Science Capstone Project | JavaScript, ReactJS, MongoDB, ExpressJS, NodeJS August 2023 – May 2024

- Developed a Hemodynamics Calculator, a full-stack application for the Emory University School of Medicine, to be used by 10 clinicians to reduce measurement error daily, impacting over 1,000 patients within the intensive care unit.
- Leveraged ReactJS, Express, and MongoDB to develop user-friendly interactive visualizations of trends in patient data and a reduction in data-related errors by 34%.

ScribbleTex (AI ATL Hackathon GitHub Winner) | JavaScript, Google Cloud Platform, VertexAI, Flask, ReactJS November 2023

- Preprocessed 3 datasets comprising over 200,000 samples for the training of a custom machine learning model Scikit-learn.
- Developed a decision tree classifier and a convolutional neural network using Keras achieving a 97% translation accuracy.
- Implemented a React-base frontend built using HTML, CSS, and JavaScript connected to a Python Flask backend with Rest API endpoints for optimized communication with the CNN model hosted on Google Cloud's Vertex AI platform.

Education

GEORGIA INSTITUTE OF TECHNOLOGY

B.S. Computer Science, concentrations in Intelligence (AI/ML) and Information Internetworks

Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Design & Analysis of Algorithms, Computer Organization & Programming, Probability & Statistics, Combinatorics, Linear Algebra, Computer Systems & Networks, Database Systems

Skills

Programming Languages: Hack, Java, Python, C, SQL, JavaScript, CSS, HTML, UML, C#, R, Swift, LaTeX

Technologies: GraphQL, Spring Boot, Angular, Android Studio, Bootstrap, RESTful APIs, Gradle, Pandas, Postman, React, Linux

Software Development: Agile, Jira, CI/CD, DevSecOps, CLI, Confluence, Coverity, Jenkins, Artifactory, Unit Test, Git

Spoken Languages: English (Native), Vietnamese (Fluent), Spanish (Limited Working Proficiency)