Son Nguyen

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A results-driven software engineer with extensive hands-on experience in large-scale projects, specializing in efficiency, scalability, and user-focused solutions. Strong foundation in AI and full-stack development, with proven ability to optimize workflows, enhance performance, and deliver measurable impact. Highly adaptable, committed to continuous learning, and eager to contribute to innovative engineering teams in an entry-level, full-time role.

WORK EXPERIENCE

Toshiba Corp. - Toshiba Global Commerce Solutions | Software Engineering Intern | 09/2025 - 12/2025   Durham, NC, USA

- Built and optimized an internal agentic AI platform with multiple autonomous agents that automates up to 95% of the software development lifecycle from requirements to deployment, leveraging Dockerized microservices, AWS, and Jenkins CI/CD pipelines.
- Developed 12 core multi-agent workflows with Kafka, Redis, LangChain, LangGraph, Neo4j, Weaviate, and RAG, improving task decomposition accuracy by 35% and cutting feature delivery time by 30%. Enhanced platform usability and reliability with a Vue-based UI, real-time monitoring, logging, and knowledge graph-driven context sharing, increasing developer productivity by 40%.

Financial Risk Group (FRG) | Software Engineering Intern | 04/2025 - 08/2025   Cary, North Carolina, USA

- Enhanced the FRG Visualization of Risk platform by improving its Angular UI and Django/MSSQL backend and integrating a RAG chatbot with FAISS, LangChain, LLaMA, and Apache Kafka/Zookeeper, reducing user document search time by 40% and improving onboarding for 500+ new users by simplifying access to app features.
- Developed 11 advanced risk-analysis and AI/ML features, including an RLHF feedback loop for the chatbot and an economic scenario forecaster powered by Facebook Prophet. Wrote Playwright tests and automated multi-environment AWS deployments with Ansible, cutting deployment time by over 55%. Also developed a VS Code extension that streamlined direct interaction with the FRG platform.

FPT Corporation | Software Engineering Intern | 06/2024 - 08/2024   Ho Chi Minh City, Vietnam

- Optimized FPT ICDP internal communication platform using Express.js, Node.js, MongoDB, RabbitMQ, Apache Kafka, ELK Stack, Redis, React, and Agile methodologies, leading to a 25% increase in collaboration across 15 internal teams and reducing communication delays by 30%. Developed 15 new features and 20 backend APIs, enhancing system scalability and boosting user engagement by 20%.

VNG Corporation | Software Engineering Intern | 05/2023 - 08/2023   Ho Chi Minh City, Vietnam

- Developed vCloudcam's security camera management website using AngularJS, React, Beego, Golang, Oracle Database, Red5, and Nginx, improving UI performance & efficiency by 30%. Implemented Kubernetes-based container orchestration that increased deployment scalability by 40% and reduced downtime during updates by 25%. Enhanced video fetching & streaming system with Web Assembly and C++, boosting live camera stream efficiency by 20% and reducing buffering by 15% for 5,000+ concurrent streams.

EDUCATION

Bachelor of Science in Computer Science & Bachelor of Arts in Economics & Minor in Data Science | December 2025

University of North Carolina at Chapel Hill | Chapel Hill, NC   Graduating GPA: **3.93 / 4.0**

PROJECTS

- **MovieVerse**: A scalable movie database with 1 million titles, 320,000+ monthly visitors, and more than 1.5 million total users.
- **DocuThinker**: A full-stack AI application for document analysis serving 5,000+ users monthly with more than 95% summarization accuracy, cutting review time by 40% and securely processing 3,500+ documents each month.
- **EstateWise**: An AI-driven real estate chatbot & full-stack application that uses RAG, CrewAI, Chain-of-Thought, Neo4j, LangGraph, Pinecone, MCP, and agentic AI to deliver personalized property recommendations for over 30,000 listings in North Carolina.

SKILLS

- **Languages:** HTML | CSS | Java | Python | JavaScript | TypeScript | C | C++ | Go | Shell | SQL | PHP | Assembly.
- **Databases:** MySQL | PostgreSQL | Redis | MongoDB | Neo4j | Oracle Database | Pinecone | Weaviate | Microsoft SQL Server.
- **Data Analytics:** PowerBI | Tableau | Apache Spark | Apache Hadoop | Pandas | R.
- **Web Development:** React | Vue | Angular | Next.js | NestJS | Express | Node.js | Flask | Spring Boot | Django | Nginx | Auth0 | Redux | NgRx | Hibernate | TypeORM | Prisma | JWT | OAuth 2.0 | GraphQL | REST APIs | OpenAPI | WebAssembly.
- **AI/ML:** TensorFlow | PyTorch | Keras | LangChain | LangGraph | Transformers | BERT | NLP | Jax | FAISS | Optuna.
- **Mobile Development:** React Native | Kotlin | Swift | Apache Cordova | Objective-C.
- **DevOps & Tools:** Docker | Terraform | Vault | Consul | Kubernetes | Git | Vercel | AWS | Azure | Oracle Cloud (OCI) | GCP | Jenkins | Ansible | Makefile | Jira | Confluence.