Son Nguyen

+1 (413) 437-6759 · hoangson091104@gmail.com · sonnguyenhoang.com
linkedin.com/in/hoangsonww · github.com/hoangsonww · Chapel Hill, NC 27514

A results-driven software engineer seeking internships to enhance programming skills in creating innovative solutions. Experienced in contributing to large-scale projects with a focus on efficiency and user experience. Eager to apply a strong foundation in AI and full-stack development in a challenging environment. Committed to continuous learning and adapting to new technologies.

WORK EXPERIENCE

Financial Risk Group (FRG) | Software Engineering Intern | 04/2025 - 08/2025

- Enhanced the FRG Visualization of Risk platform by improving Angular UI and Django backend, 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 10+ 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%.

FPT Corporation | Software Engineering Intern | 06/2024 - 08/2024

- Developed and optimized FPT ICDP internal communication platform using Express.js, Node.js, MongoDB, RabbitMQ, Apache Kafka, ELK Stack, Redis, React, and Agile methodology, leading to a 25% increase in collaboration across 15 internal teams, reducing communication delays by 30%.
- Leveraged TensorFlow and Optuna to achieve a 15% improvement in AI model fine-tuning and optimization.
- Developed a feature that allows users to create and manage their chatbots, increasing user engagement by 30%.

VNG Corporation | Software Engineering Intern | 06/2023 - 08/2023

- Developed vCloudcam's security camera management website using AngularJS, React, Beego, Golang, Oracle Database, Red5, GCP, and Nginx, improving performance by 30% and supporting 50,000+ monthly visits.
- 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, Expected December 2025
University of North Carolina at Chapel Hill, Chapel Hill, NC

- Cumulative GPA: **3.92 / 4.0**. On the Dean's List for 6 consecutive semesters.
- Relevant coursework: Data Structures, Algorithms, Machine Learning, Database Systems, Web Programming.

PROJECTS

- **The MovieVerse**: A comprehensive movie database featuring detailed information on over 1 million movies, actors, and directors. Currently supports 320,000+ monthly visitors, with 55,000+ active users and 145,000+ movie ratings. Built with a focus on scalability, responsiveness, and user experience.
- **Moodify**: A full-stack AI-driven music application using React, Django, and machine learning, featuring 30+ API endpoints and 15+ core functionalities. Integrated advanced data analytics and mobile app support.
- **DocuThinker:** A full-stack AI application for document analysis, serving 5,000+ active users and processing 3,500+ documents monthly. Achieved 95% accuracy in AI summarization, reducing manual document review time by 40%. Features include AI chat, key insights extraction, document saving, and secure authentication.

SKILLS

- **Languages:** HTML | CSS | Java | Python | JavaScript | TypeScript | C | C++ | Go | Makefile | Shell.
- **Databases:** MySQL | PostgreSQL | Redis | MongoDB | Supabase | Oracle Database | Pinecone.
- **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 | JWT & OAuth2 | GraphQL | REST APIs | OpenAPI | WebAssembly.
- **AI/ML:** TensorFlow | PyTorch | Keras | LangChain | Transformers | RAG | BERT | NLP | scikit-learn.
- **Mobile Development:** React Native | Kotlin | Swift | Apache Cordova | Objective-C.
- **CI/CD & Deployment:** Docker | Docker Compose | Git | Vercel | AWS | GCP | Jenkins | Ansible.