MIMI NGUYEN

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EDUCATION

Bachelor of Science in Computer Science — Houston, TX
University of Houston — Aug 2022 – May 2025

Associate of Science in Computer Science — Houston, TX
Houston Community College — Jan 2020 – Dec 2022

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, C++, HTML, CSS
Frameworks & Libraries: React, FastAPI, React Native, Tailwind CSS, Node.js, Express.js, Pandas, NumPy, Expo Go
Developer Tools: Git, GitHub, Docker, Jenkins, VS Code, Pytest, Jest, Jira, Figma, Unity, Blender

WORK EXPERIENCE

Collins Aerospace – Raytheon Technologies — Hartford, CT
Quality Digital Developer Intern — May 2024 – Aug 2024

- Built end-to-end automated data pipelines that eliminated manual reporting tasks
- Automated metrics reporting using **Python**, **Pandas**, and **NumPy**, cutting data processing time by 80% across SharePoint and ETQ systems
- Designed and maintained **Microsoft SQL Server** databases to streamline and optimize cross-department data workflows
- Utilized **Jira** to coordinate Agile sprints and improve milestone delivery efficiency

PROJECTS

Food Logging Mobile Application — Jun 2025 – Jul 2025

- Built a responsive iOS meal-tracking app using **React Native** and **Expo Go**
- Designed a mobile-friendly UI with date selection, meal tags, and input validation, improving accuracy by 60%
- Implemented **Supabase** for secure authentication and real-time cloud storage, supporting 100+ synced user entries
- Maintained 100% test coverage to ensure consistent performance across devices and eliminate regressions during updates

AI-Powered Video Recommendation Chatbot — Jan 2025 – May 2025

- Built a full-stack AI chatbot with a team of seven, integrating **OpenAI** and **Gemini** through **LangChain** for intelligent video responses and seamless model switching
- Designed **Figma** mockups and developed a responsive, user-friendly frontend using **Tailwind CSS**
- Implemented backend services in **Python** and **FastAPI** using embedding-based context and product matching, deployed with **Docker** and **Supabase**
- Achieved 100% test coverage with **Jest** and **Pytest** and implemented **Jenkins** CI/CD for automated testing and deployment

Volunteer Management Platform — May 2024 – Aug 2024

- Built a responsive frontend in **React** to manage events, volunteer profiles, and schedules
- Designed core features for profile management, event creation, and scheduling, streamlining coordination for administrators
- Implemented a **Node.js** and **Express** backend to handle CRUD operations with **MySQL** for secure and persistent data storage
- Achieved 100% test coverage to guarantee stability, reliability, and strong error handling over multiple iterations

Interactive Virtual Dissection Lab — Jan 2024 – May 2024

- Built and designed a VR Dissection Lab using **Unity**, enabling users to explore fetal pig anatomy interactively
- Modeled and animated 3D anatomical assets in **Blender**, accurately scaled for integration into an educational VR simulation
- Increased student engagement by 70% through immersive, hands-on learning in a virtual experience