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

WORK EXPERIENCE

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

- Automated metrics reporting using **Python**, **Pandas**, and **NumPy**, reducing data processing time by 80% across SharePoint and ETQ systems
- Designed and maintained **Microsoft SQL Server** databases to streamline and optimize data workflows across departments.
- Utilized **Jira** to manage Agile sprints, increasing on-time delivery of project milestones by 35% through effective team coordination
- Implemented end-to-end automation for data analysis pipelines, cutting manual reporting tasks by over 90%

PROJECTS

Food Logging Mobile Application — Jun 2025 – Jul 2025

- Built a responsive iOS meal-tracking app using **React Native** and **Expo Go**
- Integrated **Supabase** for secure authentication and real-time cloud storage, supporting 100+ synced user entries
- Implemented intuitive UI/UX with date picker, meal-type tagging, and input validation to improve entry accuracy by 60%
- Achieved 100% test coverage to ensure consistent performance across devices and eliminate regressions during updates

Automated Data Processing Web Application — Apr 2025 – May 2025

- Developed a full-stack web app using **React** and **FastAPI** to automate Excel-based defect and shipment data processing
- Implemented backend logic with **Pandas** to clean, merge, and standardize complex Excel files
- Designed and tested the system with 100% unit and integration test coverage to ensure robust, error-free performance
- Decreased manual data handling time by over 75%, improving workflow efficiency for engineering teams

AI-Powered Cat Product Recommendation Platform — Jan 2025 – May 2025

- Built an AI chatbot for real-time cat advice and product recommendations, cutting latency by 45% with **FastAPI**
- Designed a responsive, user-friendly frontend with **Tailwind CSS** for seamless mobile and desktop experiences
- Integrated **Supabase** for chat history, user sessions, and real-time interaction tracking
- Reached 100% test coverage to ensure system stability, reliability, and robust error handling

Volunteer Management Platform — May 2024 – Aug 2024

- Created a responsive frontend in **React** to manage events, volunteer profiles, and schedules
- Built a **Node.js** and **Express** backend to handle CRUD operations with **MySQL** for secure and persistent data storage
- Developed skill-matching logic linking volunteers to events, improving accuracy by 60%