Anthony Viet Quoc Nguyen

anthonynuge0509@gmail.com | (281) 748-2975 | Houston, TX | https://github.com/anthonynuge | https://www.avqn.dev

OBJECTIVE

Driven and innovative software developer with experience in full-stack web development. Passionate about solving complex problems, leveraging modern frameworks, and collaborating in diverse teams to deliver scalable, user-focused solutions.

EDUCATION

Western Governors University July 2024
Bachelor of Science – *Computer Science*

University of Houston
Bachelor of Science – *Kinesiology* May 2019

EXPERIENCE

Freelance Developer/ Site Maintainer – *National Grid X* March 2025 - Current
- Designed responsive web-site using **React** and **Next.js**, translating client designs into scalable and branded UI components.
- Maintain the site post launch, implementing content changes, fixing front-end bugs, and optimizing for performance.
- Managed **end to end deployment**, including domain setup, DNS configuration, and hosting ensuring site reliability.
- Participated in regular check-ins with clients to refine feature requirements and deliver timely updates based on feedback.

Software Developer Intern – *Aesyn* April 2024 - Jan 2025
- Developed **analytics dashboard**, integrating social media APIs to pull user metrics and empower business decision making.
- Transformed wireframes and data into intuitive, responsive interfaces and visualizations using **Tailwind CSS**, and **Recharts**.
- Collaborated within cross functional teams using **Git** and **Jira**, ensuring timely conflict resolution, and project management.
- Resolved critical bugs and performance bottlenecks across the **MERN** stack**,** enhancing the platform's stability and usability.

PROJECTS

Susan-AI – *TypeScript, React, Appwrite* February 2025
- Built and **deployed AI-powered chatbot** utilizing Google's Gemini API, enabling intelligent conversations.
- Integrated **Appwrite** database to store user profiles and message history, ensuring persistent and retrievable chat interactions.
- Implemented **authentication** for secure user login, **session management**, and **role-based access control**.
- Engineered a context-aware chat system with an array-based memory, allowing seamless multi-turn conversations.

Produce Image Recognition App – *Python, TensorFlow, Sci-kitLearn* October – November 2024
- Developed a computer vision app using **Python** and **TensorFlow** to **classify** produce images with **89% accuracy**.
- Built a **convolutional neural network** trained on labeled datasets with image processing and data augmentation.
- Designed a user interface for real time image uploads, instant produce classification, and confidence reports.
- Optimized the system's predictive accuracy through iterative training, ensuring robust reliability across diverse inputs.

E-commerce Inventory Management Site – *TypeScript, React, PostgreSQL* September 2024
- Designed a case study dashboard enabling real-time **inventory tracking**, updates, and **report generation** for store owners.
- Built a reporting feature providing insights into inventory levels and product performance, supporting data-driven decisions.
- Implemented dynamic SKU management of product variants, ensuring a flexible and scalable inventory catalog.
- Built an audit log system to track all inventory adjustments, leveraging database triggers for automatic data logging.

Fake New Detection App – *Python, Sci-KitLearn* April – June 2024
- Developed a **machine learning application** to determine if a news article was real or fake news with an **accuracy of 87%**.
- Utilized **natural language processing**, **vectorization**, **feature engineering**, and pattern analysis to train a **LLM**.
- Planned project from start to finish using agile, including proposals, cost breakdown, documentation, and training manual.
- Created visualization and graphs to analyze data and model performance utilizing **Matplotlib** and **Seaborn**.

Pathfinding Algorithm Visualizer – *Java* October 2023
- Constructed a **maze solving application** that uses **pathfinding algorithms** to determine the shortest route between nodes.
- Implemented recursive maze generation as well as a GUI for users to create and solve mazes interactively.
- Implemented **multi-threading** to visualize the algorithms in real-time, and the decision-making process.
- Gained experience implementing algorithms, and data structures as well as modular design concepts for future scalability.

SKILLS & QUALIFICATIONS

Computer: JavaScript, HTML, CSS, Typescript, Java, Python, Git, MySQL, Linux, Bash, Microsoft Office, Visual Studio Code
Certificates: LPI Linux Essentials
Languages: English, Vietnamese
Work Eligibility: Eligible to work in the U.S without sponsorship/restrictions