

Anthony Viet Quoc Nguyen

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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

Bachelor of Science – *Computer Science*

July 2024

University of Houston

Bachelor of Science – *Kinesiology*

May 2019

EXPERIENCE

Software Developer Intern – *Aesyn*

April 2024 - Jan 2025

- Developed a comprehensive analytics dashboard using the MERN stack, integrating various social media APIs to centralize influencer performance metrics for enhanced business decision-making.
- Engineered dynamic data visualizations using Recharts, transforming raw metrics into actionable insights into engagement trends.
- Collaborated within a cross-functional team of developers and designers using Git and Jira, ensuring efficient code integration, conflict resolution, and seamless project management.
- Transform wireframes into responsive, user-friendly pages using Next.js, Tailwind CSS, and TypeScript, aligning with brand and functionality goals.
- 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

- Developed 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 News 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 large language model.
- 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: Python, JavaScript, HTML, CSS, Java, Git, MySQL, Linux, Bash, Microsoft Office, Excel, Visual Studio Code

Certificates: LPI Linux Essentials

Languages: English, Vietnamese

Work Eligibility: Eligible to work in the U.S without sponsorship/restrictions