Loc Dinh

(863) 508-5176 | locdinh622@gmail.com | https://www.linkedin.com/in/loc-dinh-/

Education

University of Florida, Herbert Wertheim College of Engineering   *Gainesville, FL*

Bachelor of Science in Computer Science, Certificate in AI Fundamentals and Applications   **Expected December 2025**

Technical Skills

Languages: Python, Java, PHP, SQL, TypeScript, C++, ARM Assembly, JavaScript.

Frameworks/Libraries: Node.js, React.js, Next.js, Flask, Vue.js, Scikit-Learn, TensorFlow, Keras, Bootstrap.

Tools: AWS, Vercel, Linux, Git, Docker, Agile, MongoDB, MariaDB, Wireshark.

Certifications: HackerRank SQL Certificate (2024), AWS Cloud Quest (2024), Certified SolidWorks Associate (2019)

Relevant Coursework: Data Structure & Algorithms, Computer Organization, Operating Systems, Intro to Machine Learning, Computer Network Fundamentals, Natural Language Processing, Enterprise Software Engineering Practices, Information & Database Systems, Internet Programming, Algorithm Abstraction & Design, Programming Language Concepts

Experience

Full-Stack Cloud Engineering Intern   **June 2024 – August 2024**

Modern Development LLC   *Remote*

- Developed the **Front-End** using **Vue.js** and **TypeScript**, with the **Quasar** framework to create a responsive and dynamic user interface for a serverless e-commerce platform.
- Hosted a high-performance **Back-End** using **Lambda** for low-latency serverless functions, integrated with **S3** for scalable media storage and image hosting.
- Deployed containerized services on **EC2** using **Docker** for critical backend processes, ensuring efficient resource management.
- Configured SSL certificates and set up **Nginx** as a reverse proxy for secure HTTPS and efficient traffic routing, integrated with **Cloudflare** for global content delivery.
- Integrated **MongoDB** for scalable non-relational database management with **AWS Cognito** for user authentication.
- Facilitated secure payment processing with **Stripe** and automated email confirmations via **AWS SES**.

Project Experience

GreenGPT (https://green-gpt-dusky.vercel.app/) | *React.js, Next.js, PHP, Vercel, Render, CSS, MySQL*   **April 2025**

- Developed a full-stack sustainability tracking web app integrating a React.js and Next.js frontend hosted on Vercel with a PHP backend on Render and MySQL database.
- Designed a gamified leaderboard and goal-setting system to visualize token usage and estimated energy consumption.
- Utilized session-based user authentication with PHP and managed API requests via Node.js middleware hosted on Render.
- Created an extension which tracks ChatGPT prompt usage and turns prompts into tokens to estimate energy usage.

NeuroStock Forecast (GitHub) | *Python, CSS, Flask, TensorFlow, Scikit-Learn, Postman, YFinance*   **April 2024**

- Designed a Stock Prediction model utilizing **LSTM**, **Python**, **Flask**, **HTML**, **CSS**, **TensorFlow**, and **YahooFinance** for real-time user interaction and visualization increasing user engagement.
- Streamlined data processing and model training using **Keras**, reducing latency for real-time predictions.

CaSMM: Teacher View and Lesson Creation (GitHub) | *Strapi, Docker, React.js, Node.js, Agile, Bootstrap*   **December 2023**

- Enhanced dashboard readability from wireframes using **Figma** for ease of navigation by introducing stylized hover effects and buttons with **Bootstrap CSS**.
- Executed daily stand-ups as **Scrum Master**, tracked sprint progress and conducted code reviews with a six-person development team.

Leadership

External Vice President   **August 2022 – April 2023**

Tuyet's Home Nonprofit Organization   *Gainesville, FL*

- Strategized and designed events that raised awareness of social causes and increased the club's operating budget from **$800** to over **$1,500** by driving active participation and service event engagement.
- Collaborated and maintained contact with organizations such as Days for Girls around the Gainesville community dedicated to a similar mission.