

David Nguyen

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EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Science in Computer Science GPA: 3.7/4.0

Expected Graduation, May 2026

- Related Courses Completed: Data Structures & Algorithms 1/2, Computer Organization & Programming, Object-Oriented Programming, Calculus 1/2, Algorithms for Machine Learning

EXPERIENCE

Software Engineer CWEP

May 2025 – Present

Lockheed Martin

Orlando, FL

- Engineered an **enterprise-level, scalable chat module** to centralize communications for **13,000+ global suppliers**, streamlining the **SDLC** for mission-critical contract modification approval workflows.
- Leveraged **Agile methodologies** to collaborate with **cross-functional stakeholders** and application boards, prioritizing **technical debt reduction** and feature roadmaps to meet strategic business objectives.
- Designed and implemented **responsive UI components** compliant with **WCAG accessibility standards**, significantly enhancing the **User Experience (UX)** and interface reliability for high-security supplier portals.

PROJECTS

OSS Scoring Engine | Docker, Python, Redis, MySQL, MariaDB, HTML/CSS

August 2025 – Present

- Engineered a real-time **Observability Dashboard** using Python and Redis to provide **1,000+ participants** with live machine health telemetry and status updates during high-traffic CTF competitions.
- Orchestrated **containerized deployment workflows** via Docker, automating complex environment setups and reducing the technical barrier for entry for entry-level participants.
- Contributed to the **OSS repository** by identifying and remediating **critical security vulnerabilities** and performance bottlenecks through rigorous patch management and bug fixes.

ResuMaker | OpenAI API, React, Express.js, MongoDB, Node.js

Project 2025

- Built a **full-stack web application** using the **MERN stack** (MongoDB, Express.js, React, Node.js) to **help users build and refine resumes in real time**
- Integrated the **OpenAI API** to **analyze resumes, provide quality scores**, and generate AI-powered bullet point suggestions
- Developed backend services with **Node.js** and **Express** to handle **API calls, store user data securely**, and manage user sessions

GainsBOT | OpenAI API, JavaScript, React, Tailwind, HTML/CSS

Personal Side Project 2025

- Built a gym-focused chatbot** web app using React, JavaScript, and Tailwind CSS, integrating the OpenAI API for natural language understanding
- Delivered instant **answers to over 100 beginner-level gym** questions while **dynamically visualizing muscle groups for 50+ exercises**.
- Used the OpenAI API** to power an interactive chatbot that educates users on gym movements and targeted muscles.

TECHNICAL SKILLS

Languages: Java, Python, C, C#, JavaScript, HTML/CSS, SQL, MongoDB

Frameworks: React, npm, Vite, Tailwind, .NET

Developer Tools: Git, VS Code, Visual Studio, vim, GitHub, GitLab

Other: Excel, Word, PowerPoint

EXTRA CURRICULAR

Bright Futures FAS Scholarship Award | Take Stock In Children Scholarship Award Winner/Volunteer | Society of Asian Scientists Engineers @UCF – Member | Knight Hacks VII - Attendee | HackUCF – Member | Christ the King Church(Youth Group-TNTT) – Volunteer |

National Honors Society–Tutor/Member