

Valex Jean-Pierre Evans

Orlando, FL | (407) 280-7573 | Valexevans0@gmail.com | LinkedIn: [valexjpevans](https://www.linkedin.com/in/valexjpevans)

EDUCATION

Bachelor of Science in Computer Science

Expected Graduation May 2025

University of Central Florida

- **Certifications:** Intro to Front-End Development (Meta), AI-Powered Chest Disease Detection and Classification, Certified SolidWorks Associate (CSWA)
- **Organizations:** Association for Computing Machinery (ACM), Robotics Club, AI Club, American Society of Mechanical Engineers (ASME)

EXPERIENCE

Web Developer Intern | Cooledtured

10/24 - Present

- Diagnosed and resolved bugs, optimizing functionality and performance.
- Developed a leaderboard in React with TypeScript, integrating Firebase for user authentication and data storage.
- Implemented email/password login and username entry for personalized user experiences.
- Designed a scoring system that records and updates user scores after completing an anime trivia quiz.
- Enhanced user engagement by introducing a competitive leaderboard to encourage repeat visits.

Engineering Intern | Crunchy Tech

06/22 - 12/22

- Designed and 3D-printed a custom phone mount for seamless integration with the Padzilla touchscreen device.
- Created detailed assembly instructions and Bills of Materials (BOMs), leveraging SolidWorks for precise visual renderings, ensuring seamless production workflows.

Engineering Intern | Siemens Energy Innovation Center

01/22 - 05/22

- Collaborated on the research and development of a Compressed Air Energy Storage (CAES) system, exploring innovative energy solutions.
- Programmed a microcontroller in C++ to collect and export real-time pressure and temperature data to Excel, improving data accuracy and analysis.

PROJECTS

Back-End Development for Synthetic Voice Operator Senior Design Project | PEO STRI

08/24 - Present

- Developing an AI-driven training tool for the U.S. Army to enhance efficiency, reduce resource demands, and improve accuracy in indirect call-for-fire (CFF) radio operations.
- Built REST APIs using JavaScript for seamless database integration and backend functionality.
- Designed and implemented a MySQL database to store and manage AI-generated conversations.
- Leveraging SvelteKit, custom JavaScript REST APIs, Ollama API, and DigitalOcean for scalable deployment.

Mobile Application Development for Turntable Project

02/24 - 04/24

- Designed and developed a mobile application, integrating custom REST APIs for seamless connectivity.
- Collaborated with the front-end team to create and implement an intuitive landing page wireframe.
- Utilized React Native, Express.js, MongoDB, Spotify API, JavaScript REST APIs, and Heroku for deployment.

Full-Stack Development for LAMP Stack Contact Manager

01/24 - 02/24

- Developed a multi-user web application with role-based permissions using the LAMP stack.
- Delivered a project presentation, demonstrating industry standards and clear technical communication.
- Utilized HTML, CSS, JavaScript, PHP, MySQL, and deployed on DigitalOcean for scalability.

SKILLS

- **Languages:** C, C++, Java, JavaScript, Python, HTML, CSS, PHP, SQL
- **Frameworks & Libraries:** React.js, React Native, Hydrogen React, Bootstrap
- **Backend Technologies:** MySQL, MongoDB, Firebase, REST API, Ollama API, Node.js, AWS
- **Other Technologies:** Git, GitHub, Linux, JIRA, Scrum, VS Code, UML, SolidWorks