Valex Jean-Pierre Evans

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EDUCATION

University of Central Florida   Orlando, FL
Bachelor of Science in Computer Science   *Expected Graduation May 2025*

EXPERIENCE

Web Developer Intern   10/24 – Present
Cooledtured
- 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   06/22 – 12/22
Crunchy Tech
- 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   01/22 – 05/22
Siemens Energy Innovation Center
- 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   08/24 – Present
- Developing an AI-driven training tool for PEO STRI, designed to help military officers 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.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, PHP, HTML/CSS
Frameworks & Libraries: Node.js, React.js, React Native, Hydrogen React, Bootstrap
Backend Tech: MySQL, MongoDB, Firebase, AWS, REST API, Ollama API,
Other Technologies: Git, GitHub, Linux, JIRA, Scrum, VS Code, UML, SolidWorks
Certifications: Intro to Front-End Development (Meta), AI-Powered Chest Disease Detection and Classification, Certified SolidWorks Associate (CSWA)