

Joshua Evenden-Wallick

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WORK EXPERIENCE

Lockheed Martin

Software Engineering Intern

Apr. 2025 – Present

Orlando, FL

- Architected Python pipelines to process and visualize real-time telemetry from environmental sensors for performance verification.
- Engineered C data transmission software into a missile flight computer codebase to align prototypes with validation and debugging requirements.
- Resolved software integration bottlenecks in an Agile environment to maintain delivery schedules for functional flight software.

Limbless Solutions

Software Engineering Intern

Jan. 2025 – Mar. 2025

Orlando, FL

- Engineered a scalable, microservice-based Java backend to manage data for 50+ users, designing and building RESTful API endpoints for a full-stack web application.
- Developed fault-tolerant C++ firmware for ESP32 microcontrollers, implementing object-oriented design principles for motor control and sensor processing, reducing battery power consumption by 12%.

FINFROCK

Software Engineering Intern

May 2023 – Aug. 2023

Apopka, FL

- Contributed to engineering the Java backend for a scalable, internally hosted ERP solution to manage payroll and timekeeping for 1,000+ employees, designing microservices to ensure high availability.
- Engineered a secure .NET licensing module to transition the proprietary 3D CAD software to a monthly subscription model, deploying it on internal servers to manage 20+ client licenses.
- Optimized the C#/.NET 3D graphical engine for the company's proprietary CAD software, developing a diagnostic tool to reduce rendering latency by 40% for large-scale models.

EDUCATION

University of Central Florida

Computer Engineering Major

Aug. 2024 – May 2028

Orlando, FL

- **GPA: 3.7;** Burnett Honors Scholar, Provost Scholar

PROJECTS

Volunteer Hub | *TypeScript, Next.js, React, Databases*

July 2023 – June 2024

- Engineered a full-stack event platform for 150+ concurrent users using TypeScript and React, automating registration with a serverless NoSQL database (Firebase) backend.
- Implemented a secure authentication system with robust server-side validation and client-side error handling, resulting in a 99% reduction in user data entry errors and enhancing system resilience.
- Designed and implemented a role-based access control system with distinct permission levels, protecting administrative routes and ensuring data integrity across the platform.

PEP 25 - Robotics Club of Central Florida | *Linux, Python, Embedded Software, IoT*

Aug. 2024 – Apr. 2025

Software Team

- Engineered a real-time diagnostics and monitoring platform in Python on an embedded Linux (Raspberry Pi) system, transmitting 25+ telemetry data points per second to a remote dashboard.
- Developed and implemented a complex navigation algorithm by applying object-oriented design principles, fusing multiple sensor inputs to achieve autonomous waypoint pathfinding with near perfect route accuracy.

TECHNICAL SKILLS

- **Languages:** Java, Python, TypeScript, JavaScript, C++, C#, SQL, BASH
- **Frameworks & Libraries:** React, Next.js, Node.js, .NET
- **Tools & Platforms:** Linux, Git, Docker, Firebase, Android