

Marlon O. Mendez-Yanez

Manassas, VA – Open to Relocation

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- Summary:** Bilingual Software Engineer with industry experience in architecting and implementing backend systems. A self-starter committed to mentoring and team development with a strong focus on writing clean maintainable code and thoroughly testing it.
- Education:** **Bachelor of Science, Software Engineering** **May 2026**
Rose-Hulman Institute of Technology, Terre Haute, IN **GPA 3.54**
Minor in Spanish
- Skills:** **Languages:** Spanish (Fluent), English (Fluent)
Technical: Java, Python, Bash, JS, C#, HTML, CSS, SQL, RISC-V Assembly
Frameworks & Tools: Linux, Git, Maven, SSH, Angular, Flask, .NET
- Internships:** **HVAC Filter Wizard Developer** Sept. 2025 – Present
Rose-Hulman Ventures
- Programmed full-stack C# application to monitor efficiencies of HVAC filters
 - Utilized ASP.NET for backend and React Native for frontend
 - Met directly with client weekly to present progress and define requirements
- Solutions Architecture Team Software Engineer** Jun. 2025 – Aug. 2025
Kratos Defense & Security Solutions
- Architected middleware linking satellite device to management interface
 - Achieved 100% code coverage with unit and integration tests in Java
 - Utilized Mockito testing library to cover 7 classes with 1,178 lines of code
- eRAMx Software Developer** Feb. 2025 – May 2025
Rose-Hulman Ventures
- Developed full-stack medical web application supporting thousands of patients
 - Migrated legacy system to ASP.NET framework in C# with SQL for data storage
 - Spearheaded unit testing initiative with xUnit framework
- Projects:** **Kebab2Snake – Command Line Interface Tool** Jun. 2025
- Implemented kebab-case to snake-case conversion tool in Shell
 - Enabled renaming of files and directories with support for optional arguments
 - Incorporated boundary value analysis in unit testing
- Rosie Runner – Interactive Online App** May 2025
- Deployed online application with Angular framework and TypeScript
 - Featured JavaScript game component with dynamically updated leaderboard
 - Supported form validation and persistent data storage with PickleDB
- Service:** **Vice President of Service** May 2023 – May 2024
Alpha Phi Omega
- Directed a chapter of 40 active members to coordinate service opportunities
 - Established partnership with Wabash Valley Neighbors Helping Neighbors
- Leadership:** **Tutor and Supervisor, Learning Center** May 2025 – Present
TA and Mentor, CSSE Department Oct. 2023 – Present