

# 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