# Marlon O. Mendez-Yanez

Manassas, VA – Open to Relocation

571-253-9547 | mendezm@rose-hulman.edu

linkedin.com/in/marlon-mendez-yanez | rhit-mendezm.github.io

**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, Azure, GCP

**Internships:**

**HVAC Filter Monitor Developer** — Sept. 2025 – Present
*Rose-Hulman Ventures*
- Programmed full-stack C# application to monitor efficiencies of HVAC filters
- Utilized ASP.NET for backend, React for frontend, and SQL Server for storage
- Deployed and maintained application on Microsoft Azure

**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