

Marlon O. Mendez-Yanez

Software Engineer – Security Clearable

Manassas, VA – Open to Relocation

[linkedin.com/in/marlon-mendez-yanez](https://www.linkedin.com/in/marlon-mendez-yanez) | 571-253-9547 | mendezm@rose-hulman.edu

- Summary:** 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 3.51**
Minor in Spanish
- Skills:** **Languages:** Java, Python, Bash, JS, C#, HTML, CSS, SQL, RISC-V Assembly
Environments & Tools: Linux, Git, Maven, SSH, Angular, Flask, .NET
Other: Fluent in Spanish
- Website:** rh-it-mendezm.github.io – More about my portfolio and background
- Internships:** **HVAC Filter Wizard Developer** Sept. 2025 – Present
Rose-Hulman Ventures
- Programmed full-stack C# application to support HVAC filter sales
 - Utilized ASP.NET for backend and React Native for frontend
 - Introduced unit testing with xUnit framework and implemented GitHub actions
- 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
- RISC-V Assembler – Machine Instruction Translator** Jan. 2025
- Engineered assembler with Python to translate RISC-V code into machine code
 - Supported most instructions, pseudoinstructions, and informal register names
- Leadership:** **Tutor and Supervisor, Learning Center** May 2025 – Present
TA and Mentor, CSSE Department Oct. 2023 – Present