

# Marlon O. Mendez-Yanez

## Software Engineer – Security Clearable

Manassas, VA – Open to Relocation

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- 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, JavaScript, HTML, CSS, SQL, RISC-V Assembly  
**Environments & Tools:** Linux, Git, Maven, SSH, Angular, Flask  
**Other:** Fluent in Spanish
- Website:** [rhit-mendezm.github.io](https://rhit-mendezm.github.io) – More about my portfolio and background
- Internships:** **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
- Fizzier Fizz – Full-Stack Social Media App** May 2024
- Built full-stack social media application with NodeJS, TypeScript, and Java
  - Designed SQL database using entity-relationship diagram with team of 3
  - Delivered features like creating media posts, commenting, and blocking
- Leadership:** **Tutor and Supervisor, Learning Center** May 2025 – Present  
**TA and Mentor, CSSE Department** Oct. 2023 – Present  
**Program Manager, RoseBUD** Aug. 2023 – Present