Marlon O. Mendez-Yanez

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Senior student seeking a full-time position in full-stack development starting in the summer of 2026

Education:	**Bachelor of Science, Software Engineering** **May 2026**

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Bachelor of Science, Software Engineering **May 2026**
Rose-Hulman Institute of Technology, Terre Haute, IN **GPA 3.51**
Minor in Spanish

Internship:

Software Engineering Intern Feb. 2025 – May 2025
Rose-Hulman Ventures
- Developed a responsive medical web application
  - Used C# for backend and frontend development
  - Used SQL for secure data storage
- Collaborated directly with the client to gather software requirements
- Managed project issues and tasks using GitHub Projects
- Participated in code reviews with a team of 4 engineers

Skills:

Languages: Java, C, Python, C++, SQL, HTML, CSS, JavaScript, Assembly
Environments: Linux, SSH
Other: Fluent in Spanish

Projects:

FizzierFizz – Full-Stack Social Media App May 2024
- Designed and implemented using JavaScript, TypeScript, and SQL
- Built frontend and backend features like login, posting, and commenting
- Collaborated in a team of 3 for 3 weeks

Betrayal at House on the Hill – Java Game Engine Mar. 2024 – May 2024
- Developed Java board game simulation using Test-Driven Development
- Achieved 100% Basis Path Coverage using PIT mutation testing
- Collaborated in a team of 3 for 7 weeks

Editor Trees Project – Text Editor Backend Jan. 2024
- Implemented an AVL tree-based data structure in Java
- Optimized node balancing and traversal algorithms
- Pair programmed weekly for 4 weeks

Rose-Hulman Robotics Competition – Autonomous Robot System Nov. 2022
- Programmed a robot using Arduino/C++ to
  - Receive user input wirelessly via Bluetooth
  - Receive and send infrared signals
  - Operate autonomously
- Collaborated with a team of 4 for 3 weeks
- Presented technical results and live demo to faculty and peers

Leadership:

Tutor and Supervisor, *Learning Center* May 2025 – Present
TA and Mentor, *CSSE Department* Oct. 2023 – Present
Program Manager, *RoseBUD* Aug. 2023 – May 2025
Vice President of Service, *Alpha Phi Omega* May 2023 – May 2024