

# Marlon O. Mendez-Yanez

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

<b>Education:</b>	<b>Bachelor of Science, Software Engineering</b> Rose-Hulman Institute of Technology, Terre Haute, IN <i>Minor in Spanish</i>	<b>May 2026</b> <b>GPA 3.46</b>
<b>Internship:</b>	<b>Software Engineering Intern</b> <i>Rose-Hulman Ventures</i> <ul style="list-style-type: none"><li>• Developed a responsive medical web application<ul style="list-style-type: none"><li>◦ Used C# for backend and frontend development</li><li>◦ Used SQL for secure data storage</li></ul></li><li>• Collaborated directly with the client to gather software requirements</li><li>• Managed project issues and tasks using GitHub Projects</li><li>• Participated in code reviews with a team of 4 engineers</li></ul>	Feb. 2025 – Present
<b>Skills:</b>	<b>Languages:</b> Java, C, Python, C++, SQL, HTML, CSS, JavaScript, Assembly <b>Environments:</b> Linux, SSH <b>Other:</b> Fluent in Spanish	
<b>Projects:</b>	<b>FizzierFizz – Full-Stack Social Media App</b> <ul style="list-style-type: none"><li>• Designed and implemented using JavaScript, TypeScript, and SQL</li><li>• Built frontend and backend features like login, posting, and commenting</li><li>• Collaborated in a team of 3 for 3 weeks</li></ul> <b>Betrayal at House on the Hill – Java Game Engine</b> <ul style="list-style-type: none"><li>• Developed Java board game simulation using Test-Driven Development</li><li>• Achieved 100% Basis Path Coverage using PIT mutation testing</li><li>• Collaborated in a team of 3 for 7 weeks</li></ul> <b>Editor Trees Project – Text Editor Backend</b> <ul style="list-style-type: none"><li>• Implemented an AVL tree-based data structure in Java</li><li>• Optimized node balancing and traversal algorithms</li><li>• Pair programmed weekly for 4 weeks</li></ul> <b>Rose-Hulman Robotics Competition – Autonomous Robot System</b> <ul style="list-style-type: none"><li>• Programmed a robot using Arduino/C++ to<ul style="list-style-type: none"><li>◦ Receive user input wirelessly via Bluetooth</li><li>◦ Receive and send infrared signals</li><li>◦ Operate autonomously</li></ul></li><li>• Collaborated with a team of 4 for 3 weeks</li><li>• Presented technical results and live demo to faculty and peers</li></ul>	May 2024  Mar. 2024 – May 2024  Jan. 2024  Nov. 2022
<b>Leadership:</b>	<b>Tutor and Supervisor, Learning Center</b> <b>TA and Mentor, CSSE Department</b> <b>Program Manager, RoseBUD</b> <b>Vice President of Service, Alpha Phi Omega</b>	May 2025 – Present Oct. 2023 – Present Aug. 2023 – May 2025 May 2023 – May 2024