# 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

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| **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 3.46**
*Minor in Spanish*

**Internship:**

**Software Engineering Intern**  Feb. 2025 – Present
*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:**

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