Tyler Moore

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Junior Software Engineer seeking a summer of 2025 internship with opportunities to make an impact

Education:

Master, Engineering Management	**May 2026**
Bachelor of Science, Software Engineering	**GPA: 3.58/4.0**

Rose-Hulman Institute of Technology, Terre Haute, IN
Minor: Artificial Intelligence

Related Courses: Object-Oriented Software Development, Computer Architecture I, Data Structures & Algorithm Analysis, Software Project Management, Database Systems, Software Quality Assurance, Software Requirements Engineering, Web Programming, Operating Systems, Risk Analysis and Management, Artificial Intelligence, Programming Language Concepts, and Systems Programming

Skills: Java, Python, HTML, CSS, JavaScript, Node, C, C#, APIs, SQL, Git, Source Control, UML, RISC-V, Agile, Project Requirements, User Personas, Assembly, AWS, Professional Communication, Test Driven Development, Neural Networks, Collaboration, Leadership, Management, and Microsoft Office Suite

Project Experience:

Personal Portfolio — Jun 2024 – May 2025
- Built a personal webpage from scratch, detailing my professional accomplishments
- Used Amazon Web Services to host the site and connected it to a DNS for a smooth user experience
- Worked with CSS to make page come alive through animations
- Utilized Bootstrap features to make page user friendly and accessible across all devices

King of Tokyo Game Remake — Mar – May 2024
- Developed a C# project with a team using test driven development techniques
- Lead the design process for implementing the game
- Implemented features to allow game to be made international, including German functionality
- Used boundary value analysis to determine the definition of done for the project

Meal Prep Database System — Dec 2023 – Feb 2024
- Designed a relational database system using SQL Migrations as a member of a team
- Learned Sveltekit and connected it to the database as a frontend website
- Documented development and compiled it into a report for the completion of the project

Indiana 211 Website Redesign — Sep – Nov 2023
- Worked with clients at Indiana 211 to redesign a website in JavaScript, HTML, and CSS, ensuring that feedback was considered and implemented throughout the process
- Focused on making an API to filter data based on location and search parameters
- Designed the landing page using Bootstrap and CSS
- Used Git to work with team members to efficiently control versions

RISC-V Based CPU Integration — Mar – May 2023
- Fashioned a CPU from start to finish as a member of a team
- Implemented a significant amount of the data path in Verilog
- Developed a thorough test suite for each module as well as the final build

Genetic Algorithm Research Project — Jan – Feb 2023
- Designed Selection Algorithms, GUIs, and Fitness Algorithms in Java using Git for source control
- Directed in ways to future-proof the code for upcoming milestones, including clear documentation
- Worked to make sure Design Principles were met, and documentation was clear

Work Experience:

Resident Assistant   **Aug 2024 – May 2025**

Rose–Hulman Office of Student Affairs, *Terre Haute, IN*
- Built a residential community that is safe and inclusive for 30+ incoming freshmen
- Enforce campus policies and maintained a conducive study environment for residents in my hall
- Formed personal relationships with each of my residents to foster individual support through their academic and personal careers at Rose-Hulman
- Acted as a leader and mentor for students of the institution, providing resources and advice on numerous topics that will help the freshmen succeed in the future
- Planned and initiated countless floor events to create a community welcoming to all
- Mentored and supported two Sophomore Advisors through actions, conversations, and by example
- Organized community serve projects and professional development opportunities
- Served as a resource for freshmen in their journey to find their future communities around campus
- Balanced an engineering curriculum with being available for resident needs
- Communicated with different departments around campus to coordinate events

Sophomore Advisor   **Aug 2023 – May 2024**

Rose–Hulman Office of Student Affairs, *Terre Haute, IN*
- Worked as a team with the residence life staff of my floor and building to develop meaningful relationships and build a community among the residents
- Assisted freshmen students academically and socially in experiencing a positive transition to college
- Coordinated and promoted community service and hall educational programs to complement the professional and social growth of residents
- Participated in professional development workshops provided by the professional and graduate staff
- Helped mentor five freshmen into the Sophomore Advisor role throughout hiring and training

Operation Catapult Counselor   **May – Jul 2023, May – Jul 2024**

Rose–Hulman Office of Admissions, *Terre Haute, IN*
- Provided a meaningful and positive camp experience to high school upperclassmen as a team
- Communicated with each facility manager to book and setup events in an efficient way
- Promoted a positive collegiate experience for campers with my attitude and approachability
- Mentored incoming counselors to prepare them for critical conversations and leadership
- Designed events for campers to connect with each other in vastly different situations

Audio/Visual Technician   **Jan 2023 – May 2026**

Rose–Hulman Office of Enterprise Information Technology, *Terre Haute, IN*
- Set up and neatly tear down Audio and Visual systems for events on campus as a part of a team
- Monitor the systems during events for the best experience
- Ran events start to finish on the system as the only technician present
- Initiated conversations with leaders around campus to help events run smoothly

Honors:

1871 Tech Challenge 2024, *Third Place*   **Apr 2024**

Making an Impact Award of Excellence, *Sophomore Advisor*   **May 2024**

Dean's List (x6)

Activities:

Pi Kappa Alpha, *Member*   **Oct 2022 – Present**

Residence Hall Association, *Member*   **Sep 2022 – Present**

Rose-Hulman Intramurals, *Member*   **Sep 2022 – Present**

Computer Security Club, *Member*   **Sep 2024 – Present**

Jazz Band, *Member*   **Sep 2023 – Present**

Interfraternity Council, *Co-Recruitment Executive*   **Jan 2023 – Sep 2024**