

# Tyler Moore

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*Junior Software Engineer seeking a summer of 2025 internship with opportunities to lead and help others*

## **Education: Master, Engineering Management**

**May 2026**

### **Bachelor of Science, Software Engineering**

**GPA: 3.5/4.0**

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, ARM, 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 (x5)

### 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