

# Molly Rich

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## EDUCATION

### University of Michigan, College of Engineering

Bachelor of Science in Engineering in Computer Science | Minor in UX Design

Expected Graduation: May 2027

GPA: 3.63/4.00

- **Relevant Coursework:** Data Structures & Algorithms, Discrete Mathematics, Computer Organization, Web Systems, Statistics & Data Analysis, Data-Driven Applications, User Interface Development, Cybersecurity, Web Development & Accessibility

## WORK EXPERIENCE

### The Social Television Network

June 2025 - August 2025

Product Strategy & Growth Intern

Phoenix, AZ

- Conducted product, user, and market research to inform growth strategy, analyzing audience behavior, content performance, and competitive positioning to identify opportunities for acquisition and engagement across 3+ distribution channels.
- Developed product strategy recommendations by synthesizing qualitative insights and performance data, contributing to roadmap discussions around feature prioritization and audience growth initiatives supporting near-term growth goals.
- Collaborated cross-functionally with leadership and content teams to refine value propositions and evaluate product-market fit.

### Atlas Neurosurgery

June 2025 - August 2025

Full Stack Development Intern

Phoenix, AZ

- Owned the design and launch of a patient intake and triage product, translating clinical and business requirements into a survey-driven scoring system that ranks prospective cases by fit and acuity to inform patient prioritization and growth decisions.
- Enabled higher-value patient acquisition by surfacing high-acuity cases earlier while reducing manual review by 30% for staff.

## LEADERSHIP EXPERIENCE

### Tau Epsilon Kappa (Professional Technology Fraternity) | Project Manager

September 2025 - Present

- Led a 6-person cross-functional student team to deliver a semester-long product, establishing Agile workflows and sprint goals.
- Defined product definition and scope by creating documentation and a PRD, translating constraints into an MVP roadmap.
- Delivered a coffee chat tracker used by 60+ club members, coordinating frontend-backend implementation from build to launch.

### Tau Epsilon Kappa (Professional Technology Fraternity) | VP of Internal Affairs

March 2024 - May 2025

- Owned full planning and execution of 15+ chapter-wide events, defining calendars, timelines, and logistics for 100+ members.
- Managed cross-organization coordination with external clubs, alumni, and vendors, handling contracts, transportation, budgeting.
- Introduced new social and networking initiatives based on member feedback, resulting in a 25% increase in fraternity revenue.

### The Michigan Daily | Data Team Manager

August 2025 - Present

- Managed a 3-person team to translate open-ended questions into structured analyses across technical and non-technical teams.
- Built end-to-end data pipelines using APIs, Python, SQL, and Cloudflare to analyze academic performance and transit reliability.

## PROJECTS

### Epsilon Eta — Chapter Website | Website Developer (UX + Frontend)

January 2025 - April 2025

- Drove end-to-end redesign and development of the Epsilon Eta chapter website, designing in Figma and implementing the final product with HTML, CSS, and JavaScript to improve clarity, usability, and engagement for prospective and current members.
- Published a website that drove a 30% increase in club applications, translating goals into design, from wireframes to production.

### ClassSwap | Product Manager

January 2025 - April 2025

- Spearheaded the prototype development of a course enrollment coordination tool to reduce registration bottlenecks for students.
- Executed 10+ user interviews and testing to identify user feedback and guide the human-centered design process using Figma.

### Quack | Product & Technical Project Lead

September 2024

- Built an AI-powered debugging tool inspired by “rubber duck debugging”, generating guidance from verbal or textual input.
- Implemented the application using OpenAI APIs, Flask, MySQL, and Google Breadboard, designing a specialized AI assistant to support lesson generation, user data storage, and input processing to enhance student learning through guided debugging.

## SKILLS

- **Languages/Frameworks:** C/C++, Flask, JavaScript, React, Python, Django, HTML, CSS, SQL
- **Tools:** Linear, Jira, Figma, Miro, Canva, Notion, Microsoft Suite (Excel), Google Suite
- **Interests:** Weightlifting, Running, Sewing, Badminton, Graphic Design, Writing, Mindfulness & Meditation