

# Marlen Melchor

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## Education

**Illinois Institute of Technology**

Graduating May 2026

B.S. Computer Science

**Relevant Coursework:** Data Structures and Algorithms, Discrete Structures, Computer Organization and Assembly Language Programming, Database Organization, Introduction to Human Computer Interactions

## Skills

**Coding Languages:** Javascript, Python, HTML, CSS, PostgreSQL, React

**Certifications:** MTA: Introduction to Programming Using Javascript

**Software & Tools:** GitHub, Github Actions, ArgoCD, Kubernetes, Figma, Adobe Illustrator, Adobe Photoshop, Visual Studio

**Languages:** Spanish, English

## Relevant Experience

**Software Engineer Intern - Eli Lilly and Company - Indianapolis, IN**

May 2025 - August 2025

- Developed a full-stack internal web app using Django, PostgreSQL, and React, reducing IT ticket resolution time by 10% through streamlined access to device and user data.
- Led technician interviews to gather feedback, shaping intuitive Figma wireframes that improved workflow efficiency.
- Deployed the application using Lilly's Docker-based CATS platform with CI/CD workflows and GitHub Actions to automate testing, builds, and live updates.

**Full Stack Developer - Tinder Web-App Database**

Feb 2024 – May 2024

- Developed a Tinder-style database web application by utilizing MySQL and Python to create a database system of over +40 subject user information
- Implemented CRUD operations for user data by integrating MySQL database with Python to allow users to manage the data
- Designed user-friendly interface utilizing Figma by allowing easy access to database functionality to enhance user experience

**Second Place Winner - HERE Technologies x GM LatinX Vamos Hackathon - Chicago, IL**

Sept 2023

- Developed a web app tailored to GM EV owners using HERE Technologies APIs, JavaScript, HTML, and CSS
- Provided charging station availability, wait times, and reliability using real-time feedback to enhance user's experience by 50%
- Improved user experience by categorizing charging ports as superchargers or regular chargers, emphasizing charging efficiency

**UI/UX Lead Designer - CODIFY Student Org Website**

June 2023 – Aug 2023

- Designed a framework of a website by using Figma and Adobe Illustrator to enhance user experience
- Advised Software Engineer team of 4 on recommended programming languages (CSS, JavaScript) to help with programming

**UI/UX Lead Designer - G2 Chicago P33 Project - Chicago IL**

Oct 2022 – Jan 2023

- Collaborated with G2 on a cross-platform prototype for student reviews of educators using Python, Java, and CSS
- Developed a mockup wireframe for the application that is appealing to the eye to enhance user experience

## Work Experience

**Student Monitor - Paul V. Galvin Library - Chicago, IL**

Sept 2022 – Mar 2025

- Streamline and enhance item check-in/out record management within the Ex-Libris Alma system, resulting in improved efficiency and accuracy. Empowering patrons to efficiently utilize over +1000 digital resources, including library computers, e-books, and databases

## Leadership Experience

**Marketing Director - SHPE at IIT**

June 2024 – Present

- Led branding for SHPE and SHPEtinias, creating official guidelines to unify style across social media, newsletters, and promotions using Figma and Canva.
- Managed content design and strategy, increasing follower growth by 12.6% and maintaining a mailchimp newsletter with 900+ subscribers.