

# KAYLA SISON

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## EDUCATION, ACHIEVEMENTS, & SKILLS

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**UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN** | B.S. in Computer Science & Statistics | Expected May 2027  
**GPA:** 4.0/4.0 (Dean's List 2023 – 2024) | **Certifications:** AWS Lambda Foundations, CodePath Web Development 101 & 102  
**Languages:** Python, C++, C, JavaScript, HTML/CSS  
**Tools/Technologies:** React, Flask, Sanity CMS, AWS (Lambda, EC2), Git/GitHub, Figma, VS Code  
**Achievements:** AbbVie Business Tech Solutions Externship Program (8/2025), Capital One Launchpad: Legacy & Leadership Program (7/2025), Women in Engineering Project Dean's Merit Scholarship, Computer Science T-Shirt Design Scholarship

## EXPERIENCE

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### DULCE TENTACIONES

#### *Web Developer*

Jun 2025 – Present

- Founding and developing a bakery website from scratch using React, JavaScript, & HTML/CSS in a 3-person team
- Integrated Sanity headless Content Management System via its JavaScript client library, enabling seamless content management and real-time updates to bakery menu without developer intervention
- Building key business solutions such as mailing list integration and email automation using Brevo

### OSF HEALTHCARE

#### *Innovation Intern*

May 2024

- Collaborated in a team of 5 on ideation and UI/UX design for a clinic feedback application; features various unique survey methods to collect patient feedback and provides valuable data to OSF HealthCare
- Utilized Figma and Canva to design website interfaces with engaging data collection methods and intuitive data visualizations
- Created user profiles and journey maps to simulate patient-side and employee-side interactions with product

## PROJECTS

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### CS RESOURCE FORUM [Python/Flask, AWS EC2, JavaScript, HTML/CSS, Bootstrap]

July 2025

- Developed RESTful API with Python/Flask for a full-stack resource-sharing forum; users share and discover unique Computer Science resources to help each other excel; deployed to AWS EC2
- Designed RESTful API endpoints and managed JSON-based data persistence to support post creation & retrieval
- Utilized JavaScript to build a client-side search bar that filters posts in real time by topic tags and dynamically updates results
- Integrated a lightweight Like system using JavaScript and API calls, allowing users to give “likes” to posts

### COURSE REGISTRATION [JavaScript, HTML/CSS]

Feb 2025

- Lead front end developer of 5-person team in 24-hour hackathon; designed, programmed, and deployed a mock course registration website that improves school's current website using HTML/CSS & JavaScript
- Designed intuitive UI, allowing students to register for classes with ease; provides in-depth professor bios to easily compare instructors; utilizes real-world data from current registration website

### OPENSTREETMAP GRAPH-BASED PATHFINDING [C++]

Nov 2024

- Implemented a graph class in C++ using adjacency lists to model a UIC campus map from OpenStreetMap (OSM) data
- Parsed and integrated building and waypoint nodes with footway connections using nlohmann/json C++ library
- Utilized Dijkstra's algorithm to find shortest paths between buildings

## ACTIVITIES

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### WOMEN IN COMPUTER SCIENCE (WiCS)

#### *UI Designer, Outreach Officer*

May 2024 – May 2025

- Designed UI for the official WiCS website, ensuring a clean, accessible, and consistent visual experience
- Developed and facilitated an interactive UI/UX workshop, including core design principles and hands-on activities
- Managed and grew WiCS' digital presence across Instagram (1,180+ followers), LinkedIn (560+), & Discord (600+), increasing community engagement through engaging & branded social media content
- Pioneered high-impact outreach strategies, including animated Instagram stories, short-form video content, & photo collages