

# 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:** C++, C, Python, JavaScript, HTML/CSS  
**Tools/Techologies:** React, Flask, AWS (Lambda, EC2), Postman, Supabase, SQL, Numpy, Git/GitHub, Figma, VS Code  
**Achievements:** AbbVie Business Technology Solutions Externship Program, Capital One Launchpad: Legacy & Leadership Program, Women in Engineering Project \$30k Dean's Merit Scholarship, Computer Science T-Shirt Design Scholarship

## EXPERIENCE

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### DULCE TENTACIONES

June 2025 – July 2025

#### *Web Developer*

- Co-founded and developed a bakery website from scratch using React, JavaScript, & HTML/CSS in a 3-person team
- Developed mailing list database using Brevo's RESTful API; created automated email events with custom graphic design
- Integrated Sanity headless Content Management System via its JavaScript client library, enabling seamless content management and real-time updates to bakery menu without developer support

### OSF HEALTHCARE

May 2024

#### *Innovation Intern*

- 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 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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### PERSONAL WEBSITE + BLOG [React, JavaScript, HTML/CSS, EmailJS]

July 2025 – Present

- Building personal portfolio and blog site with React to showcase projects, experiences, and personal reflections
- Implemented animated parallaxes with React Spring, contact form using EmailJS API, and engaging UI design

### CS RESOURCE FORUM [Python/Flask, AWS EC2, Postman, 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, testing using Postman
- Designed RESTful API endpoints and managed JSON-based data persistence to support post creation & retrieval
- Utilized JavaScript to build search bar and lightweight Like system, utilizing API calls

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

November 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

## ACTIVITIES

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### WOMEN IN COMPUTER SCIENCE (WiCS)

#### *Mentor*

Sept 2025 – Present

- Mentoring a student on navigating college as a STEM major and getting a head start in their career
- Currently coaching mentee in a fullstack project using Django and React; will be a gamified messaging website

#### *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 3 different social media platforms, raising community engagement through captivating social media content; increased Instagram following by 18%