

KAYLA SISON

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EDUCATION, ACHIEVEMENTS, & SKILLS

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/Technologies: React, Flask, AWS (Lambda, EC2), Postman, Supabase, Git/GitHub, Figma, VS Code, Jira

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

DULCE TENTACIONES

Web Developer

June 2025 – July 2025

- Co-founded and developed a bakery website from scratch using React, JavaScript, & HTML/CSS in a 3-person team
- Developed mailing list functionality using Brevo's RESTful API, including secure GET and POST requests to access database for mailing list sign-ups; 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

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

CS RESOURCE FORUM [Python/Flask, AWS EC2, Postman, JavaScript, HTML/CSS, Bootstrap] July 2025 – Pres.

- Developing 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

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

July 2025 – Pres.

- Building personal portfolio and blog site with React to showcase projects, experiences, and personal reflections
- Implemented animated parallax landing page with React Spring and functioning contact form using EmailJS API
- Features custom 404 page and responsive UI for smooth navigation and user experience

OPENSTREETMAP GRAPH-BASED PATHFINDING [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
- Utilized Dijkstra's algorithm to find shortest paths between buildings

ACTIVITIES

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 3 different social media platforms, raising community engagement through captivating social media content; increased Instagram following by 18%
- Pioneered high-impact outreach strategies, including animated Instagram stories, short-form video content, & photo collages