Katie Kimura

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EDUCATION

Oregon State University | B.S. Computer Science, Human-Computer Interaction Focus — Anticipated Jun. 2026

GPA: 3.90

Relevant Coursework: Data Structures, Algorithms, Web Development, Databases, Usability Engineering, Software Engineering, UX Research, Cognitive Psychology, Psychology of HCI, Disability Studies

EXPERIENCE

Frontend Developer Intern | BeaverHacks | Remote — Jun. 2025 - Present

- Enhancing usability and accessibility of BeaverHacks club website using Next.js and Tailwind CSS in preparation for BeaverHacks 2026 (anticipated 1,000 sign-ups)
- Collaborating in an Agile team of 4 developers with weekly sprints and version control via GitHub

Undergraduate Research Assistant | Oregon State University | Corvallis, OR — Feb. 2023 - Apr. 2025

- Contributed to development of a web dashboard prototype 8 OSS (Open Source Software) community managers found beneficial for contributor retention management
- Pioneered an empirical research study on how to characterize "Glue Work" in OSS and created a roadmap for OSS practitioners to create a sustainable OSS ecosystem

Quality Assurance Intern | Tyler Hawaii | Remote — Jun. 2021 - Mar. 2023

- Conducted bi-monthly regression tests across multiple browsers and devices to ensure bug fixes and feature updates did not disrupt functionality across 10+ applications
- Improved product stability through authorship of 40+ detailed bug reports, documenting reproduction steps, capturing supporting media, and collaborating closely with developers to expedite resolution

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, C, HTML/CSS, SQL, R, Assembly Language

Frameworks/Libraries: Next.js, React.js, Node.js, Express.js, Django, Jest, Cypress

Tools: Figma, RESTful APIs, GitHub Actions, Jira, Confluence, MySQL Workbench, Microsoft 365, Google Workspace

PROJECTS

BeaverHub Redesign | *Figma, Usability Testing*

- Led a team of 4 in redesigning a student dashboard in Figma, leveraging user data and feedback to drive design decisions aligned with target audience needs
- Increased interface customization by 105% by introducing an Edit Mode feature designed according to industry UI standards and Nielsen's inclusivity heuristics
- Reduced information retrieval time by 61% by relocating key student data directly to homepage, minimizing navigation steps, and replacing schedule visualization with a familiar format aligned with school's scheduling system

Let's Get Cooking! | *Python, Node.js, React.js, Express.js*

- Developed a full-stack web application to streamline recipe selection by integrating a backend database for ingredients and recipes with a frontend supporting CRUD operations
- Assured application maintainability and scalability by integrating four microservices—coordinating cross-language collaboration, including one microservice written in a teammate's preferred language

High School Yearbook Database Website | *SQL, Express.js, Handlebars*

- Led a team of 3 to design and implement a relational database featuring five entities and three many-to-many relationships, automating setup via a DDL script for easy deployment
- Developed a user-friendly website enabling non-technical users to perform CRUD operations through a Node.js and Express.js backend executing DML script segments, improving data accessibility and management
- Maintained high code quality by establishing style guidelines and conducting regular peer code reviews to ensure readability and long-term maintainability