

Katie Kimura

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EDUCATION

Oregon State University | B.S. Computer Science

Anticipated June 2026

GPA: 3.96

Minor: User Experience Research

Coursework: Data Structures, Algorithms, Web Development, Databases, Operating Systems, Software Engineering I & II, Cognitive Psychology, Psychology of HCI, Disability Studies, Statistics for Engineers

EXPERIENCE

Undergraduate Research Assistant | Oregon State University – Corvallis, OR

Feb 2023 - Present

- Focusing on improving contributor retention in the Open Source Software (OSS) community by collaborating with a PhD student to identify and analyze social dynamics in mentoring, contributor retention, and inclusion
- Enhancing the quality of research publications through literature reviews, qualitative analysis using grounded theory, and editorial contributions, leading to one published paper and three in progress

Quality Assurance Intern | Tyler Hawaii – Remote

June 2021 - Mar 2023

- Ensured 100% up-time for 10 local government websites by conducting monthly manual regression testing
- Increased efficiency and accuracy of end-to-end tests by 55% by writing 50+ test cases with detailed reproduction steps
- Contributed to the resolution of over 30 technical and UI issues through authorship of detailed bug reports communicating efficiently and effectively with company developers

TECHNICAL SKILLS

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

Frameworks: React.js, Node.js, Express.js, Django, Jest, Cypress

Tools: Figma, Git, Github, Jira, Confluence, MySQL Workbench

PROJECTS

Web Dev Portfolio | HTML/CSS | <https://web.engr.oregonstate.edu/~kimuraka/cs290/a4-kimuraka/index.html>

- Utilized newly learned web development concepts to build a responsive static website that facilitates a seamless user experience across devices

Let's Get Cooking! | Python, JavaScript, Node.js, React.js | <https://github.com/ktkimura/cs361-lets-get-cooking>

- Streamlined recipe selection process by developing a full-stack web application using microservices, implementing features for recipe and ingredient storage, and enabling seamless CRUD operations
- Enhanced user engagement by prioritizing an equitable user experience, accommodating diverse cognitive styles and preferences throughout design processes (sitemapping, wireframing, prototyping)
- Designed and implemented a microservice architecture on backend, enhancing maintainability and scalability through communication pipes and integration of teammates' code

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

- Improved yearbook production workflows by leading a team of 2 to design and implement a database-driven website for more efficient tracking of students and student activities
- Ensured on-time delivery of key project components by overseeing task delegation, version control (Git), and scheduling
- Reduced manual data entry and manipulation by authoring DDL/DML scripts to automate database setup and implement CRUD operations

PUBLICATIONS

Feng, Zixuan, **Katie Kimura**, Bianca Trinkenreich, Anita Sarma, and Igor Steinmacher. 2024. "Guiding the way: A systematic literature review on mentoring practices in open source software projects." *Information and Software Technology* 171 (April): 107470. <https://doi.org/10.1016/j.infsof.2024.107470>.

- Developed a quick-reference resource on mentoring in OSS for academics and industry professionals by synthesizing findings from 39 studies and creating a strategy catalog that maps 19 solutions to common challenges
- Enhanced the paper's flow by writing a cohesive narrative that interconnects various topics and concepts