

Katie Kimura

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EDUCATION

Oregon State University | B.S. Computer Science

Anticipated Jun 2026

GPA: 3.91

Minor: User Experience Research

Coursework: Data Structures, Algorithms, Web Development, Databases, Usability Engineering, Software Engineering I & II, Computer Networks, UX Research, Cognitive Psychology, Psychology of HCI, Disability Studies, Statistics for Engineers

EXPERIENCE

Undergraduate Research Assistant | Oregon State University | Corvallis, OR

Feb 2023 - Present

- Investigated unique interpersonal workings of the Open Source Software (OSS) community through co-authorship of 4 papers that explore nuances and complexities of mentoring, retaining, and appreciating OSS contributors
- Proposed guidelines and developed dashboards to support sustainability of OSS projects based on findings from the analysis of academic literature and OSS contributors' first-hand experiences

Quality Assurance Intern | Tyler Hawaii | Remote

Jun 2021 - Mar 2023

- Increased efficiency and accuracy of end-to-end tests by writing 50+ test cases with detailed reproduction steps
- Contributed to resolution of over 30 technical and UI issues through authorship of detailed bug reports and efficient communication with company developers

TECHNICAL SKILLS

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


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

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


PROJECTS

 Finance Management Mobile App | Figma, Usability Testing

- Designed a user-centered mobile interface by making data-driven decisions based on findings from observational studies
- Streamlined team workflow and ensured design consistency by designing and prototyping a reusable Figma prototype

 Beaverhub Redesign | Figma, Usability Testing, Statistical Analysis

- Reduced time to find key student information (GPA, bills, schedule) by 61% through a data-driven UI redesign
- Transformed 18 requirements into design features by applying usability heuristics and incorporating usability study feedback

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

- Streamlined recipe selection process by developing a full-stack web application containing a backend of ingredient and recipe databases and frontend enabling CRUD operations
- Ensured maintainability and scalability of application through integration of 4 microservices, including one written by a teammate in a different language from the application

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

- Designed and implemented a relational database for a hypothetical high school yearbook to track student appearances, events, clubs, and sports teams (5 entities and 3 M:N relationships), automating setup with a DDL script
- Developed a website to enable non-technical users to interact with the database and perform CRUD operations by making calls to and passing data to a DML script

PUBLICATIONS

The Nuts and Bolts of Software Projects: Recognizing and Valuing Glue Work

Zixuan Feng, **Katie Kimura**, Julia Furst Morgado, Lorenzo Pisani, Sophia Vargas, Anita Sarma

ICSE 2026 Research Paper [UNDER REVIEW]

Guiding the Way: A Systematic Literature Review on Mentoring Practices in Open Source Software Projects

Zixuan Feng, **Katie Kimura**, Bianca Trinkenreich, Anita Sarma, Igor Steinmacher

Information and Software Technology Journal