

CHRISTINE WAWERU

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EDUCATION

BROWN UNIVERSITY

Providence, RI, USA

Expected Graduation: May 2023

- A.B. Computer Science (*GPA: 3.62 / 4.00*)
 - Relevant Coursework: Modern Web & Mobile Applications, Hypertext/Hypermedia, User Interface and User Experience, Algorithms and Data Structures, Object-Oriented Programming, Computer Systems, Applied Mathematics and Statistics.
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SKILLS & TOOLS

- **Languages/Frameworks:** Java, Python, JavaScript, HTML/CSS, React.js, Vue.js.
 - **Technologies:** MongoDB, Figma, Balsamiq, Git.
 - **UX:** Personas, Wireframing, Prototyping, User Research & Usability Testing.
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EXPERIENCE

MICROSOFT

Redmond, WA, USA

May 2021 – July 2021

Software Engineering Intern (Azure Front Door Team)

- Built a JavaScript data visualization tool to streamline analysis of units of logic in HTTP/S requests monitored and filtered through a request execution engine.
 - Delivered a working version in six weeks, reducing average time spent analyzing large JSON datasets from an hour to 15 minutes.
 - Facilitated user feedback within a team of 8 developers to further iterate on the design, increasing its usability by 12%.
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UNDERGRADUATE TEACHING ASSISTANT

Introduction to Algorithms and Data Structures.

January 2020 – May 2020

- Held weekly office hours, sections and labs tutoring 250+ students on Algorithms and Data Structures for sorting, searching, and graph problems in PYTHON and JAVA for a total of 20 hours a week.
 - Taught students how to analyze time and space complexities of algorithms and how to implement them in class projects.
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Introduction to Object Oriented Programming.

September 2019 – December 2019

- Led four two-hour weekly sessions teaching Object-Oriented Design concepts such as Inheritance, Polymorphism, & Encapsulation and graded JAVA projects for 400+ students.
 - Initiated 'Conceptual Hours' in collaboration with Head Teaching Assistant, boosting student retention by 3%.
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ARTEMIS PROJECT

Providence, RI, USA

Coordinator

January 2019 – August 2019

- Managed development of the curriculum for a summer coding bootcamp for students of marginalized genders between the ages of 13-15, writing 70% of the lesson plans and assignments.
 - Instructed 17 students with no prior programming experience in PYTHON and HTML/CSS with each student designing their own independent websites in five weeks.
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PROJECTS

Rheumatic Heart Disease Screening App

- Led front-end development of an Android app using JavaScript, CSS and Vue.js to facilitate secure off-site patient data collection and management at Tenwek Hospital in Western Kenya. See [high-fidelity prototype](#).
- Worked with cardiac surgeons to understand problem statements, transform them into user stories and prioritize features.

App Mockup

- Collaborated with three students to create a viable web application design for startup company Prenda, which provides kids with a tuition-free learning experience, using Balsamiq and Figma. See [high-fidelity prototype](#).
 - Iterated on the app design based on user feedback from the UserTesting platform, reducing errors in completing set tasks by 65%.
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LEADERSHIP & AFFILIATIONS

RESIDENTIAL PEER LEADER

Providence, RI, USA

Women Peer Counselor

August 2019 – July 2020

- Served as a mentor and resource for 82 first-year students, guiding on critical issues pertaining to gender and sexuality.
- Organized an average of 10 workshops a semester and oversaw advertising of community events which doubled resident participation.

Other Affiliations: National Society of Black Engineers, Mosaic+ Empowerment Initiative, Brown Refugee Youth Tutoring and Enrichment.