

MARY NANSIKOMBI

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EDUCATION

Oregon State University

Anticipated graduation date Dec 2025

B.S. in Computer Science(Honors) | Minor in Business

GPA 3.72

- **Relevant Coursework:** Data Structures, Computer Architecture and Assembly Language, Analysis of Algorithms, Introduction to Security, Operating Systems, Software Engineering Fundamentals

WORK EXPERIENCE

University Housing and Dining Services(Oregon State University) Corvallis, OR

Corvallis, OR

Community Assistant

Jun-2022 - June-2024

- Facilitated collaboration between technical and non-technical departments leading to improved collaboration and streamlined processes in apartment operations.
- Handled administrative tasks, including data entry for student apartment allocations, ensuring seamless move-in and move-out process for students with families
- Worked in a team of six, handling conflict management, lockouts, policy violations, and offering mental support, enhancing student safety and well-being.
- Created a supportive environment for students by answering their questions and organizing events that promoted diversity making international students feel welcome

CLASS PROJECTS

- Developed a health metric tracker as a microservice using React, Node.js, and JavaScript to monitor heart rate, sugar, and pressure, improving user health outcomes.
- Developing a front-end system for a resume application using Python, JavaScript, HTML, and CSS to help students streamline job applications.
- Gained experience in low-level systems programming by developing solutions for coding projects in C.
- Increased software reliability through bug resolution, testing, and root cause analysis.
- Developed client-server technologies using REST APIs, Node.js, and PHP for web applications.
- Developed unit tests in JavaScript using Jest to verify the presence and functionality of application features, ensuring accurate performance.
- Developed integration tests with Jest to validate application features, ensuring proper functionality of integrated components.
- Developed end-to-end tests with Cypress to ensure full application functionality, deployed using GitHub Pages with CI/CD integration.

LEADERSHIP

- Treasurer Adoptive Technology Engineering Network September 2023-September 2024
 - Public Relations Officer OSU App Club September 2022-September 2023
 - Association of computing machinery
- Technical Skills:** Python, Java Script, React JS, Tensor flow, Numpy, Node.JS, HTML, CSS, C, C++, Git, Rest API, Agile, CICD, ReactJS, Linux, Windows

