

Masumbuko Alulea

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Sioux Falls, SD 57106

EDUCATION

South Dakota State University, Brookings SD
Bachelor of Science in Computer Science

Expected Graduation: May 2026

RELEVANT COURSES

- System Programming
- Programming Languages
- Object-Oriented Programming
- Software Engineering
- Software Project Management
- Database Management Systems
- Systems Programming
- Computer Architecture
- Machine Learning

SKILLS

- HTML, CSS, JavaScript
- Python, C++, C#
- Relational Database Design
- Agile & Scrum Methodologies
- Software Testing Concepts
- Software Architecture
- Data Structures & Algorithms
- GitHub & Git
- REST API
- SQL

PROJECTS

Body of Christ Church [\[Live View\]](#)

November 2024 – Present

- Optimize site performance regularly by continually improving load times, enhancing accessibility, and applying SEO best practices, ensuring an excellent user experience and increased visibility for the church member community
- Regularly maintain and update content, keeping church event details, activities, and sermon information current and accessible for visitors
- Integrate multimedia elements, including sermon videos, audio files, and event highlights, providing an interactive and engaging online experience for church members and visitors

Portfolio Website [\[Live View\]](#)

June 2024 – Present

- Developed a responsive portfolio website, increasing mobile traffic by 28% through optimized design and user experience
- Improved website load time by 17% by refining structure, reducing file sizes, and implementing caching strategies
- Established a performance monitoring system, tracking page load speeds and bounce rates, ensuring optimal site performance over time
- Enhanced user engagement by 13% through design improvements, and creating a more interactive and visually appealing experience

File Organizer [\[GitHub Repository\]](#)

April 2024 – May 2024

- Designed and developed the application, sorting files into predefined and user-defined categories, organizing over 500 files in under 2 minutes
- Implemented a Tkinter-based GUI, boosting user satisfaction by 18%, measured by feedback from 8 test users
- Introduced a summary report feature that displayed organized files in a user-friendly format, reducing file retrieval time by 21% for all users

Resume Parsing Script [\[GitHub Repository\]](#)

October 2023 – December 2023

- Engineered an automated Python script that extracted critical data points, including names, emails, phone numbers, education history, and work experience from over 200+ resumes
- Improved the speed of the resume processing system by 13% using Python to make tasks more efficient
- Designed an innovative program in Python leveraging SpaCy for NLP techniques; processed 200+ PDF resumes quickly while extracting key personal information without compromising accuracy or detail integrity during the parsing stage

WORK EXPERIENCE

Frame Maker

Masterbrand, Sioux Falls, SD

May 2024 – August 2024

- Fabricated and assembled frames with precision, maintaining 94% accuracy to meet high-quality standards
- Operated and maintained machinery and tools, increasing production efficiency within 3 months
- Collaborated with team members, consistently meeting production goals and deadlines, contributing to a 13% increase in overall output

Inventory Stocker

Walmart, Sioux Falls, SD

February 2021 – April 2022

- Stocked shelves and maintained inventory levels, ensuring consistent product availability for customers
- Guided customers in locating items, improving satisfaction by enhancing the shopping experience through personalized guidance
- Collaborated with the team to manage stock and organize store displays, increasing store efficiency and reducing restocking time by 12%

CERTIFICATIONS

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage

June 2024

- Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart
- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills
- Designed a UML class diagram for a data processor, considering different operating modes and database connections
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department