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
- Data Structures with Algorithms
- Discrete Mathematics
- Object-Oriented Programming
- Foundations of Software Engineering
- Programming Language
- Software Project Management
- Assembly Language
- Technical Writing
- Digital Logic

SKILLS
- Python, C, C++, HTML and CSS
- Software Design Patterns
- Agile Methodologies
- Teams, Zoom, Slack
- Software Testing Concepts
- Basic SQL
- Microsoft Office
- Git & GitHub

PROJECTS/RESEARCH

Portfolio Website   **June 2024 – Current**
- Created a responsive portfolio, boosting project visibility and showcasing technical skills
- Integrated interactive elements, enhancing user engagement and improving site navigation
- Focused on performance optimization and device compatibility during development

File Organizer   **April 2024 – May 2024**
- Designed and developed the application to sort files into predefined and user-defined categories
- Developed a Tkinter-based GUI to enhance user interaction and usability
- Introduced a summary report feature to display organized files in a user-friendly format

Development of a Personalized Mental Support App, SDSU   **January 2024 – May 2024**
- Conducted research over developing an app to improve mental health care accessibility using mood tracking
- Focused on addressing high costs, stigma, and delays in traditional mental health care
- Used data analytics to provide personalized recommendations and support

Resume Parsing Script   **August 2022 – December 2023**
- Developed a Python script to extract names, emails, phone numbers, education, and work experience from resumes
- Utilized SpaCy for NLP, pdfplumber for PDF processing, and regular expressions for data extraction
- Processed text to extract the largest text block as the name, leveraging the structure of typical resumes

WORK EXPERIENCE

Frame Maker   **Masterbrand, Sioux Falls, SD**   **May 2024 – Current**
- Fabricated and assembled frames with precision, ensuring high-quality standards
- Operated and maintained various machinery and tools to produce frames
- Partnered with team members to meet production goals and deadlines

Seasonal Package Handler   **FedEx, Sioux Falls, SD**   **May 2023 – August 2023**
- Operated warehouse equipment safely and efficiently, ensuring timely handling of goods
- Stored incoming packages to optimize space and maintain accurate inventory for delivery
- Collaborated with team members to maintain workflow efficiency and resolve issues

Inventory Stocker   **Walmart, Sioux Falls, SD**   **February 2021 – December 2021**
- Stocked shelves and maintained inventory levels to ensure product availability
- Assisted customers in locating items and provided guidance and information as needed
- Coordinated with team members to manage stock and organize store displays efficiently

EXTRACURRICULAR ACTIVITIES

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage   **July 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 for Walmart's shipping department, showcasing strong problem-solving skills
- Designed a UML class diagram for a data processor, considering different operating modes and database connections