

MLANDVO B. MAPHALALA

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38 Dewline Road, Liverpool, New York, 13090

EDUCATION

Methodist University | Fayetteville, NC

May 2024

- B.S. in Computer Science | MU Davis Full Scholarship Recipient

WORK EXPERIENCE

Student Teaching Assistant & Athlete Mentor

August 2021 - May 2022

Computer Science Department & Monarch Tutoring Center

Methodist University

- Debugged 10 Python & Java projects at an 80% bug resolution rate by analyzing code
- Assisted Professor in class of 15 students to consolidate lectures & facilitate in class coding exercises
- Performed troubleshooting & issue resolution for over 100 incidents across Windows, MacOS and Linux based Operating Systems
- Empowered 30 Student Athletes below the required 2.7 GPA threshold through targeted study group sessions for enhanced academic performance
- Delivered informal tutoring services in Algebra & Trigonometry with over 35 instances

Resident Assistant

August 2020 - August 2021

Housing & Residence Life

Methodist University

- Strategically organized & executed a series of 10 residential student events while strictly adhering to COVID-19 regulations & safety protocols
- Supervised Multicultural Residence Hall of 100 students in collaboration with 5 other Resident Assistants
- Achieved recognition for demonstrating exceptional composure & effective crisis management, resulting in the receipt of the 2nd ever "Outstanding Courage In Crisis" award
- Negotiated and successfully settled 10 resident disputes, fostering an environment of cohesion in living spaces

Student Intern

September 2019 - May 2021

Global Education Office

Methodist University

- Routinely executed weekly updates on WordPress website, averaging 8 updates per month
- Effectively managed bi-weekly transportation program for 20 students between local Walmart & school campus
- Proactively communicated with over 50 international alumni, following up on 100+ received correspondence
- Planned over 10 programs to assist international, transfer and first-year students transitioning to campus

TECHNICAL SKILLS

Languages:

Python, Java, C++, MIPS, HTML, CSS, Visual Basic

Tools:

MongoDB, L^AT_EX, Terminal, Git, WordPress, Microsoft Excel, VMWare

Operating Systems:

Windows, MacOS, Kali Linux, Ubuntu

STUDENT PROJECTS

Chat Room Application:

- Real-time Python chat room server that allows clients to connect through the use of client-side scripting & sockets
- A server-client architecture is used to enable message broadcasting, & a seamless interactive chat room experience

Image Scraper:

- Image scraper with a user-friendly GUI to search and download images from Google, through user input prompts
- Libraries TKinter & Beautiful Soup used in coding GUI & scraping images which are then stored locally

Bank Customer Manager:

- Java project designed to facilitate efficient customer management in banking systems through OOP concepts
- Bank staff are able to modify, view & manage customer records to provide streamlined service delivery

RELEVANT COURSES

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|--------------------------------|-------------------------|-----------------------|------------------------|
| · Data Structures & Algorithms | · Computer Architecture | · Calculus I & II | · Linear Algebra |
| · Windows & Linux Security | · Software Engineering | · Database Management | · Discrete Math I & II |

ADDITIONAL

Spoken Languages: Fluent in English & siSwati, Elementary in French

Awards: Courage In Crisis Award, MU Davis Full Scholarship Recipient

Student Activities: Vice President of African Student Organization, RHA Officer of Affairs & Sustainable Projects, Member of MU Honors Program, Member of MU Leadership Fellows

Volunteering: Rise Against Hunger (2019), Kamhlaba Day: Community service fundraising concert (2017), Assemblies of God eSwatini (2015-2018)