

MULENGA NGULALE

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PROFESSIONAL SUMMARY

Mulenga Ngulale is a resilient and driven third-year student majoring in Computer Engineering with a minor in Mathematics. Combining creativity with flexibility, Mulenga exhibits a powerful blend of strong communication, adept problem-solving, and proven leadership skills. His current objective is to apply and enhance these skills in roles related to software development, data analysis, and robotics.

EDUCATION

Bethune-Cookman University

Daytona Beach, FL

B.S. Computer Engineering

May 2025

Presidential Scholar

4.0 GPA

SKILLS

Languages: Python, Java, C, C++, JavaScript, HTML, CSS, GO

Technologies: MySQL, MariaDB, Git, Bash, Bootstrap, React, Node, Selenium, JUnit, TestNG

Relevant Course Work: Differential Equations, Introduction to Engineering, Ethics, **Data Structures, and Algorithms, Object Oriented Programming**, Introduction to Electric Circuits, Digital Circuits, Electronics, Discrete Math

PROFESSIONAL EXPERIENCE

Uber

Sunnyvale, Ca

Software Engineering Intern

May 2023 – August 2023

- Engineered an automated solution in **Python** that harmonized tier information between Machine Learning Explorer Projects and pipeline configurations, reducing inconsistencies and manual interventions through a daily scheduled synchronization process.
- Spearheaded the implementation of ISO time duration standards using **GO**, enabling users to specify execution dates in days and fostering greater temporal flexibility within Machine Learning pipelines.
- Designed and delivered a robust Command Line Interface (CLI) utilizing **GO** and **Python** for scheduling and managing Machine Learning Orchestration pipelines, enhancing user control, and enabling advanced task execution beyond the capabilities of the User Interface.

ServiceNow

Remote - Atlanta, Ga

Quality Engineering Intern

May 2022 – August 2022

- Developed **Python** scripts to enhance performance in company databases, increasing automation efficiency by 12% and replacing manual data entry in Excel sheets.
- Collaborated with two fellow interns to design and develop a comparison tool using **UI Builder**, **Node.JS**, and web frameworks like **React**, revolutionizing the monitoring of test executions from manual Excel sheets to an automated process. Achieved a 17% increase in efficiency through this innovative solution.
- Implemented automated testing frameworks such as **Java**, **JUnit**, **Selenium**, **TestNG**, and other open-source projects to develop comprehensive test cases for company products. This initiative resulted in a notable 20% improvement in code product efficiency.
- Collaborated with a software development team to engage in end-to-end product development, encompassing testing, deployment, and comprehensive reporting on performance, quality, security, and stability.

EXTRACURRICULAR ACTIVITIES

- Member of the school Robotics Club and EcoCAR Competition
- School's Math Assistant Teaching Peer
- Student Mentor of prospective international students at F-1 Career

INTERESTS

Robotics | Reading | Fitness, and Training | User interfaces | Learning | Service | Artificial Intelligence