Jamila Otieno

Undergraduate Student

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SUMMARY

Jamila is currently an operations manager for Duke Applied Machine Learning Group and the alumni relations chair for Duke Catalyst Tech Society. She is an active member of Duke Motorsports, National Society of Black Engineers, and DukeAfrica. Her latest project was designing a system that can distribute power throughout a portable engineering design space.

EDUCATION

Duke University

David M. Rubenstein Scholar
Computer Science
July 2019 – Present

- Product Management
- Data Structures & Algorithms
- Computer Architecture
- Matrices & Vector Spaces
- Web Design & Narrative
- Multivariable Calculus
- Engineering Design & Communication
- Foundations of Education
- Academic Writing
- Computational Methods in Engineering

KEY SKILLS

Product Management
Python & Java (proficient)
C & MIPS (proficient)
JavaScript (familiar)
HTML & CSS (familiar)
Market Research
Competitive Analysis
Team Leadership
Problem-Solving
Attention to Detail

WORK EXPERIENCE

Operations Manager • Duke Applied Machine Learning Group
February 2020 - Present

- Organizing the Duke Phoenix Project, a tech internship program for students who lost their jobs due to the pandemic
- Formulating and documenting our mission statement, long-term business strategy, and operations
- Establishing a system of vetting and acquiring new clients
- Redesigning the onboarding process for new members
- Directing project leaders to ensure goals and deadlines are met

Science Department Intern • Cobb County School District
January 2019 – May 2019

- Conducted a large-scale research project to evaluate the effectiveness of teachers' lesson plans based on the new GA Standards of Excellence
- Organized science-related events for 2000+ participants each
- Developed resources for the Cobb Teaching and Learning System
- Collaborated with Title I Supervisors to create unique opportunities for low income students

RECENT PROJECTS

Product Management with Gravitate (YC F20) • Spring 2020

- Composed a competitive market analysis
- Assessed gaps in current functionalities to construct an updated product requirements document with new initiatives

Designing a Portable Engineering Design Space • Fall 2019

- Led a team of 5 engineers in developing a power system
- Identified the most effective power solution based off product research and client consultations
- Analyzed data collected from solar panels to determine the optimal panel positioning and maximum energy production
- Reduced the system's total cost by 35%