

Isaac Kiiza

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EDUCATION

Clarkson University, Potsdam, NY

Bachelor of Science in Mathematics | **Major GPA: 3.4/4.0**

Expected Dec 2024

Bachelor of Science in Digital Art & Sciences

Expected Dec 2024

SKILLS

- **Programming & Technical:** R Studio, Java, MATLAB, CSS, HTML, C++
- **Software Proficiency:** Microsoft Suites, Latex, Adobe Software
- **Creative & Multimedia:** Data Analysis, Mathematical Modeling, Multilingual (Kinyarwanda, Kinyabwisha, Swahili, and English), Dedoose, Maya, Photography

WORK & RESEARCH EXPERIENCE

Teaching Assistant, Clarkson University

Jan 2021-Present

- Manages weekly discussion, quizzes for Differential Equations, and provides feedback to 20+ undergraduate students to promote educational success

STEM Tutor

Jan 2020-Present

- Provides one-on-one tutoring in mathematics courses for college students from varying backgrounds and disciplines

Culturally Responsive Teaching in Rural, Clarkson University

Jul 2022-Present

- Utilized Dedoose to analyze qualitative data to identify critical training pedagogy methods
- Presented at Research and Project Showcase (RAPS), & the NSBE Regional Conference and attended workshops & seminars for professional development

Resident Advisor, Clarkson University

Jun 2023-Jul 2023

- Oversee a team of 7 colleagues, communicating effectively to set expenses priorities
- Implemented and enforced the University and Campus Living policies, promoting academic excellence, addressed student needs, and encouraged involvement

Qualitative Research in STEM, Clarkson University

May 2023-Jul 2023

- Developed and proposed the study "Assessing the Socio-emotional Effects of COVID-19 on K-12 Students' Behavior and Exploring Disciplinary Strategies in the United States"
- Secured institutional approval and funds from National Science Foundation (NSF) for the project, displaying my capacity to get resources for large-scale research
- Applied MATLAB, Excel, and Tableau Public application for data analysis and visualization
- Presented findings at Research and Project Showcase (RAPS) and Buffalo University to enhance understanding of pandemic's impact on education

Summer Intern, National Grid

Jul 2022-Aug 2022

- Participated in Grid for Good seminars on teamwork, ethics, and conflict resolution in the workplace; earned Electricity & Natural Gas Certification

The Impact of COVID-19 across the U. S, Clarkson University

May 2020-Jul 2021

- Employed statistical analysis in R to assess the risk factors and severity of COVID-19 infection within the United States for 4 demographics (White, African-American, Hispanic, and Asian)
- Obtained an Award for Best Oral Presentation in the Humanities and Health section

Volunteer at Northside C.Y.O, Catholic Charities

Jul 2017-Jun 2020

- Collaborated with 4+ colleagues to instruct immigrant & refugee children- STEM literacy and secondary school preparation

Summer Intern (x2) through CSTEP, Le Moyne College

Jul 2017-Sept 2019

- Volunteered at the District Attorney's Office, Brady Faith Stone Soup Kitchen Urban Farm, Habitat for Humanity, Upstate Respiratory, and InterFaith Works
- Cultivated Garden for the Northside & Southside for the Syracuse Community

LEADERSHIP EXPERIENCE

Treasurer for the National Society of Black Engineers (NSBE), Clarkson University Chapter

Aug 2021-Present

Member of the Diversity, Equity & Inclusion Council, Clarkson University

Aug 2021-Present

Member of the Leadership Service Team for InterVarsity Christian Fellowship (IV)

Aug 2023-Present

Treasurer for the Community of Underrepresented Professional Opportunities (CUPO)

Jan 2021-Present

Advisor for Youth, Light Mission Pentecostal Church

Jan 2021-Present

CAMPUS AND COMMUNITY INVOLVEMENT

Member: Math, Tennis, Volleyball, and Pep Band clubs and Light Mission Pentecostal Youth Choir

Honors & Awards:

- The Arthur O. Eve Higher Education Opportunity (HEOP), NSBE Technical Research Award, and Phalanx Commendable Service Award
- CPR and Stop the Bleeding Certified, 1st Responder for Electricity & Natural Gas Certified, Institutional Review Boards (IRB) Member
- National Society of Leadership and Success (NSLS), National Society of Black Engineers (NSBE), National