Isaac Kiiza

Undergraduate Senior

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EDUCATION

Clarkson University, *Potsdam, New York*

Bachelor of Science in Mathematics	Expected Dec 2024
Bachelor of Science in Digital Art & Sciences	Expected Dec 2024

SKILLS

- R Studio | Java | JavaScript | MATLAB | CSS/HTML | Python | C++ | Dedoose (*QDA*) | Photography
- Microsoft Suites | Latex | Adobe Software | Maya | Unity
- Data Analysis | Mathematical Modeling | Kinyarwanda | Kinyabwisha | Swahili | English - All Professional proficiency or above

RESEARCH EXPERIENCE

Culturally Responsive Teaching in Rural, *Potsdam, New York*   Jul 2022-Present

- Applied Dedoose to analyze qualitative data and identify key pedagogical methods for culturally responsive teaching in rural settings
- Showcased findings at the Research and Project Showcase (RAPS) and NSBE Regional Conference

Qualitative Research in STEM, *Clarkson University*   May 2023 -July 2023

- Obtained institutional approval and NSF funding for a study project on COVID-19's socio-emotional effects on K–12 students' behavior
- Employed advanced data analysis with MATLAB, Excel, and Tableau Public to extract and visualize valuable insights from the research data
- Presented research results at Buffalo University and the Research and Project Showcase (RAPS), advancing knowledge of the pandemic's effects on education

The Impact of COVID-19 across the U. S, *Clarkson University*   May 2021-Jul 2021

- Applied R statistical analysis to evaluate COVID-19 risk variables and severity in the US for four demographics
- Engaged in proactive professional development by attending workshops to enhance my research skills
- Earned Best Oral Presentation Award in Humanities and Health

WORK EXPERIENCE

Teaching Assistant, *Clarkson University*   Jan 2021-Present

- Led weekly discussions for 20+ undergraduates, enhancing academic performance with personalized feedback
- Collaborated with faculty to create quizzes, increased student collaboration and Performance

STEM Tutor   Jan 2020-Present

- Provided college students from various backgrounds with personalized support in STEM courses

Resident Advisor, *Clarkson University*   Jun 2023-Aug 2023

- Overseed a team of 7 colleagues, effectively communicating to establish priorities for spending
- Implemented & enforced living rules and university policies to foster academic success, and involvement

Volunteer at Northside C.Y.O, *Catholic Charities*   Jul 2017-Jun 2020

- Taught 30 + immigrant and refugee children with STEM literacy and secondary school preparation

LEADERSHIP EXPERIENCE

- President of InterVarsity Christian Fellowship — Dec 2024-Present
- 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 — Aug 2023-Dec 2023
- Treasurer for the Community of Underrepresented Professional Opportunities (CUPO) — Jan 2022-2023
- Advisor for Youth, Light Mission Pentecostal Church

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), Xerox Award for Innovation and Information Technology, 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*)