

JEAN MARIE NISINGIZWE NGABONZIZA

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EDUCATION

Bachelor of Science in Computer Science and Engineering Aug 2022 – May 2026

Bucknell University, Lewisburg, PA | GPA: 3.65

Relevant Coursework: Data Visualization, Statistics for Engineers, MySQL for Data Analytics, Tableau for Data Analytics

SKILLS

Languages & Databases: SQL (MySQL, PostgreSQL), Python, R, Elixir, HTML, CSS, Phoenix Framework

Data & BI Tools: Tableau, Shiny

Core Competencies: Data Cleaning, Data Visualization, Statistical Analysis, Window Functions, Dashboard Development, ETL

Languages: English, French, Kinyarwanda (Native)

EXPERIENCE

Undergraduate Forestry Data Science Researcher Jun 2025 – Jul 2025

UFDS, Bucknell University

- Cleaned and analyzed Forest Inventory Analysis (FIA) research datasets using R, resolving data quality issues to ensure accuracy and usability for a forestry synthetic population dataset.
- Evaluated the effectiveness of Large Language Models in classifying land cover from satellite imagery, achieving 45% classification accuracy.
- Built an interactive R Shiny dashboard to visualize dataset trends and model performance for the research team.

Undergraduate Researcher May 2023 – Jul 2023

Ready Set Fit

- Developed front-end components for a web application using React and JavaScript to support the team's product roadmap.
- Collected and organized content and imagery to inform the design of future Ready Set Fit web applications.
- Photographed and curated visual assets used in promotional materials and web application design.

Undergraduate Executive Intern 2025 – 2026

Office of Equity & Inclusive Excellence (EIE), Bucknell University

- Organized Bucknell's International Festival, Equity Symposium, and MLK Week, coordinating logistics for over 500 attendees.
- Co-created the "Together on Purpose" retreat in partnership with the Career Center and Religious and Spiritual Life.
- Launched an initiative connecting student organizations across the EIE umbrella to strengthen cross-organization collaboration.

Residential Advisor 2023 – 2026

Bucknell University

- Planned and delivered 10+ community-building programs for 80 residents, focused on connection, inclusion, and social justice.
- Connected residents to campus resources including student health services, counseling, and the teaching center, improving access to support.
- Mediated roommate conflicts using active listening and conflict-resolution strategies, maintaining a positive residential climate.

PROJECTS

Personal Portfolio

- Designed and deployed a personal portfolio website (Vercel) showcasing data analytics projects and technical background.

Habit Flow — Full-Stack Web Application (Phoenix/LiveView)

- Built a full-stack habit-tracking web application with Google OAuth authentication and an AI-powered summary feature using the Groq API.