

GANZA BELISE ALOYSIE ISINGIZWE

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EDUCATION

Dartmouth College, Hanover, NH

June 2026

Bachelor of Arts (B.A.), Double Major: Data Science, Computer Science

GPA 3.55/4.00

Relevant Coursework: Data Structures and Algorithms (**Java**), Machine Learning and Statistical Analysis (**Python**), Programming and Computation (**Python**), Linear Algebra, Database Systems (**SQL**), Linear Models, Probability and Statistical Inference, Human Computer Interaction

Student Groups: NSBE Dartmouth Chapter, Dartmouth African Students Association, Women in Science Project (WISP)

WORK EXPERIENCE

Software Engineering & ML Project Assistant, Evergreen AI – Hanover, NH

May 2025 — Present

- Develop and refine chatbot training content for **EvergreenAI**, the first intelligent digital wellness platform for Dartmouth students, ensuring response accuracy and relevance
- Design and implement front-end features for the platform using **HTML and CSS** improving interface usability and design consistency
- Test and evaluate chatbot functionality, delivering feedback and actionable recommendations to guide continuous improvement

Data Analyst Intern, AKU Brain and Mind Institute – Nairobi, Kenya

June 2024 — August 2024

- Designed 3 interactive dashboards using **Python** and **PowerBI** for the Brain Resilience Kenya project, facilitating the monitoring of participant adherence to weekly surveys and Fitbit data synchronization
- Analyzed dashboard data to provide actionable insights for better decision-making
- Recommended strategies to increase weekly survey responses, improving participant engagement by 20%

Consulting Extern, PWC and Paragon One – Remote

May 2024 — July 2024

- Developed a comprehensive understanding of the mission and vision of a client farm
- Conducted an in-depth SWOT analysis of comparable farms, benchmarking them to assess competitive landscape
- Researched funding procurement and revenue optimization strategies across these farms, culminating in a research-driven presentation with strategic recommendations to enhance revenue streams

Software Development Research Assistant, Jacobson Laboratory – Hanover, NH

September 2023 — April 2024

- Developed a Tele-therapy chatbot using **Python** and **PyTorch** with integrated **data analytics** for enhanced performance
- Implemented Python-based interaction logging to evaluate chatbot responsiveness, leveraging data-driven insights for detailed tracking to assess contextual relevance and highlight areas requiring model fine-tuning and optimization
- Crafted an interactive app using python to monitor and enhance the chatbot's proficiency in generating response

PROJECTS

MySQL-Based Manuscript Management System

January 2025 — February 2025

- Engineered a 3NF database schema using ER diagrams and functional dependencies to ensure an accurate and normalized design
- Built a **MySQL database** using **SQL** scripts, triggers, views, and stored procedures to enforce business rules and streamline operations

fMRI Music Genre Classifier: data classification using Logistic Regression and Linear SVC

January 2024 — March 2024

- Conceptualized and built a classification pipeline to predict distinct music genres from fMRI brain images using **Python** and **scikit-learn**
- Trained and tested the models on another dataset and achieved an accuracy of 97%

Six Degrees of Separation

September 2023 — November 2023

- Constructed Kevin Bacon's social network graph using Breadth-First-Search algorithm to determine the shortest path from a given vertex
- Developed a user-friendly interface for querying actor relationships and altering the networks center using **Java**

Collaborative graphical editor

September 2023 — November 2023

- Developed a multithreaded server in **Java** to support simultaneous collaboration within a synchronized graphical editor
- Implemented client/server messaging protocols to ensure all users share and update a consistent view of a common sketch

LEADERSHIP & INVOLVEMENT

Operations Coordinator, Dartmouth African Students Association – Hanover, NH

June 2024 — Present

- Lead the planning and execution of events and community initiatives for a group of over 200 students

Venture Capital Track Participant, Black Venture Capital Consortium (BVCC) – Hanover, NH

August 2024 — December 2024

- Built proficiency in market trend analysis, startup evaluation, and deal sourcing within venture capital

Mentor, Seeds of Peace Company – Jerusalem, Israel

June 2023 — August 2023

- Mentored and organized daily activities for youth from over 6 countries in a leadership development program

SKILLS & INTERESTS

- Programming:** Java, Python, JavaScript, CSS, HTML5, SQL, R
- Product Management:** Agile Methodologies, Data Analysis, Market Research, Roadmap Development, Wireframing, Google Workspace
- Experience with:** Excel, Machine Learning, Scikit-learn, React, NoSQL, SQL Server, MongoDB, AWS, Linux, Git, GitHub, Figma, Power Bi, Tableau, Redis, Kubernetes, Jenkins, PyTorch
- Interests:** Global Health, Sustainable Development, Music