

Gideon Osei Bonsu

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EDUCATION AND CERTIFICATION

Grand Valley State University – Allendale, MI
Master of Science – Data Science and Analytics

Aug 2025 – May 2027
GPA: 3.92

Elizabeth City State University (ECSU) – Elizabeth City, NC

Master of Science – Applied Mathematics – GPA: 4.0

Jan – May 2025

Bachelor of Science – Computer Science (Data Science Track) | Mathematics Minor | Summa cum laude

Dec 2023

Google Data Analytics Professional Certification

Aug 2023

WORK EXPERIENCE

Grand Valley State University – Office of the Provost

Allendale, MI

Strategic Planning, Assessment and Accreditation Graduate Assistant

Aug 2025 – Present

- Conduct data collection, cleansing, and statistical analysis of institutional metrics to evaluate university-wide student learning outcomes, generating insights that inform decisions on assessment and the university's 5-year strategic plan.
- Maintain structured datasets and dashboards to visualize key performance indicators (KPIs) for leadership reporting.
- Support database management, website creation and record-keeping for university programs' accreditation efforts.

ECSU – Department of Mathematics and Computer Science

Elizabeth City, NC

Graduate Research and Teaching Assistant

Jan – May 2025

- Developed and implemented machine learning algorithms and solutions for high-dimensional data challenges with Python, while conducting research to enhance and optimize existing departmental algorithms.
- Collaborated with faculty and peers to analyze complex datasets while tutoring and grading students in Programming II.

Therapeutic Innovations Inc.

Worcester, MA

Data Analyst

Apr 2024 – Jan 2025

- Designed SQL-based ETL pipelines to integrate multi-source data into a centralized data warehouse, validating data quality to ensure accuracy, consistency, and reliability for downstream reporting.
- Performed ad-hoc SQL and Excel data analysis to generate business insights and uncover customer trends for marketing.
- Collaborated with research department to conduct data-centered investigations into target markets, resulting in an improvement in market strategy and product-market fit evaluations.

Elizabeth City State University – Office of Student Success and Retention

Elizabeth City, NC

Peer Tutor for Computer Science and Mathematics Courses

Nov 2022 – Dec 2023

- Provided academic assistance to 40+ peers by elucidating complex course concepts and mentoring them to implement efficient problem-solving techniques, resulting in heightened comprehension and enhanced exam preparedness.
- Analyzed individual student competencies and delivered detailed reports to facilitate personalized learning strategies.

SKILLS

Python, SQL, R, Java, Pandas, NumPy, FastAPI, Microsoft Office, Excel, Tableau, Git/GitHub, ETL, PySpark, Trend and Data Analysis, Market Research, Prompt Engineering, Clear Communication, Problem Solving, Analytical, Initiator, Collaboration, Empathy, Proactiveness, Adaptability, Humility, Presentation, Stakeholder Engagement, Detail-Oriented, Self-Motivation

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Sender+ Courier (Tech-Enabled Logistics Startup) – Co-Founder and Product Lead

Aug 2025 – Present

- Building a campus package delivery solution that addresses the logistics challenges faced by Ghanaian university students.
- Semi-finalist in Grand Rapids DeepTech 2025 Pitch after deploying an MVP built on React/FastAPI full-stack architecture.

Grand Rapids Blandford School International Night Project – Volunteer Cultural Mentor

Sep – Nov 2025

- Mentored local 6th-grade student on Ghana project, guiding research and supporting poster and food presentations.

Important Gifts Inc. DBA Changing The Present – Volunteer Data Science Intern

Apr – Dec 2024

- Developed Python scripts to clean and preprocess large datasets, and performed web data scraping for this not-for-profit.

Texas Advanced Computing Center, HackHPC, Science Gateways Community Institute

Austin, TX (Remote)

Viewers' Choice Award Winner – "High Performance Computing (HPC) in the City" Hackathon

Nov 3 – 7, 2023

- Leveraged access to the Frontera supercomputer and RStudio, using R to analyze and visualize the relationship between zip code social vulnerability index (SVI) scores and mobility in Austin, TX before and during the pandemic.

The Home Depot – Strategic Business Development Extern

Feb – Apr 2023

- Researched and analyzed emerging market disruptors and innovative trends within the home improvement industry – one of eight out of 40 externs selected to present findings to The Home Depot's global Strategic Business Development team.

PROJECTS

- Market Data Analysis of Multi-Year Datasets for Cab Companies using Python, NumPy, Pandas, Matplotlib, Plotly.
- Fitness Company Growth Decision-Making Data Analysis with R, ggplot2, Tidyverse, Janitor.
- Clustering Image Pixels with Python: Custom-Built K-Means Algorithm using skimage, NumPy, pylab, Pandas, PIL.