Gideon Osei Bonsu

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EDUCATION AND CERTIFICATION

Grand Valley State University – Allendale, MI — Aug 2025 – May 2027
Master of Science – Data Science and Analytics — 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
- Validate, organize and analyze institutional performance data; develop KPI summaries to evaluate university-wide student learning outcomes and inform assessment decisions and the university's 5-year strategic plan.
- Building an accreditation evidence web app (React/Vite + TypeScript + Django) to centralize, tag, and retrieve documents, replacing fragmented local storage with a scalable, multi-user system with AI-assisted full-text analysis features.
- Support University Assessment Committee operations and reporting by designing and managing webpages and data assets.

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
- Performed ad-hoc SQL and Excel data analysis, and designed SQL-based ETL pipelines to integrate multi-source data into a centralized data warehouse, validating data quality to ensure accuracy, and reliability for downstream reporting.
- 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, Google Sheets, 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 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.