

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	Jan – May 2025
Master of Science – Applied Mathematics – GPA: 4.0	Dec 2023
Bachelor of Science – Computer Science (Data Science Track) Mathematics Minor Summa cum laude	
Google Data Analytics Professional Certification	Aug 2023

WORK EXPERIENCE

Grand Valley State University – Office of the Provost Strategic Planning, Assessment and Accreditation Graduate Assistant	Allendale, MI 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 Graduate Research and Teaching Assistant	Elizabeth City, NC 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. Data Analyst	Worcester, MA 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 Peer Tutor for Computer Science and Mathematics Courses	Elizabeth City, NC 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.