

GIDEON OSEI BONSU

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EDUCATION AND CERTIFICATIONS

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| Grand Valley State University – Allendale, MI | Aug 2025 – May 2027 |
| • Master of Science – Data Science and Analytics | |
| Elizabeth City State University – Elizabeth City, NC | Jan 2025 – May 2025 |
| • Master of Science – Applied Mathematics – GPA: 4.00 | Dec 2023 |
| • Bachelor of Science – Computer Science | |
| • Data Science Track Mathematics Minor Summa Cum Laude | |
| Google Data Analytics Professional Certification | Aug 2023 |
| Manchester Community College – Manchester, CT | Summa Cum Laude |
| • Associate of Science – Liberal Arts and Science | Aug 2021 |

PROFESSIONAL EXPERIENCE

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| Grand Valley State University – Office of the Provost | Allendale, MI |
| Strategic Planning, Assessment and Accreditation Graduate Assistant | Aug 2025 – Present |
| • Engage in research design and multi-year strategic planning, as well as data collection, management, and statistical analysis of institutional measures to evaluate outcomes across colleges and divisions, and inform assessment. | |
| • Prepare preliminary research results and presentation materials for communication to the Provost and university officials. | |
| • Assist with database development, website management and record keeping for university programs' accreditation efforts. | |
| Elizabeth City State University – Department of Mathematics and Computer Science | Elizabeth City, NC |
| Graduate Research and Teaching Assistant | Jan 2025 – 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 to produce actionable insights for departmental research. | |
| • Graded programming assignments and provided constructive feedback to students Programming I and II classes. | |
| 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 | |
| • Conducted ad-hoc data analysis with Excel, utilizing tools like VLOOKUP, conditional formatting and pivot tables to answer business questions, monitor operational performance, and customer trends to uncover areas of opportunity. | |
| • 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+ students by elucidating complex 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, enabling the implementation of personalized learning strategies for peers, and improving their understanding of concepts. | |
| Project Destined | Remote |
| Commercial Real Estate Analyst Intern | Sep 2023 – Nov 2023 |
| • Analyzed financial and historical data of various properties by utilizing commercial real estate research to offer insights on investment profitability and suitability, successfully aiding in data-driven decision-making. | |
| • Worked with senior real estate professionals to construct 10-year cash flow projections and sensitivity analysis based on various growth rates and market conditions, ensuring risk mitigation and enhanced investor confidence. | |
| • Collaborated with team to provide insights crucial to the completion of a live real estate deal in Charlotte, NC. | |
| The Home Depot | Remote |
| Strategic Business Development Extern | Feb 2023 – Apr 2023 |
| • Researched and analyzed emerging market disruptors and innovative trends within the home improvement industry, aiding The Home Depot in effectively allocating its investment and venture capital funds. | |
| • Acquired valuable insights into the optimal methods of data analysis for examining specific markets and industry players, further enhancing my understanding of marketing strategies and ability to derive meaningful conclusions. | |
| • Recognized for the high caliber of my market research, being selected as one of the distinguished 10% of externs to present findings to The Home Depot's global Strategic Business Development team. | |
| Meta Career Connections | Los Angeles, CA |

Digital Marketing Intern

Jul 2022 – Sep 2022

- Developed ads and marketing strategy for an SMB after 5 weeks of training and mentorship from top Meta employees.
- Crafted engaging Facebook ads, posts, and reels, driving 26,000+ post engagements and reaching 68,000 new users.

SKILLS

Python, SQL, R, Java, BigQuery, pandas, NumPy, Microsoft Office, Excel, Tableau, Git and GitHub, ETL, PySpark, Azure Databricks, Scikit-learn, Trends Analysis, Market Research, Analytical Thinking, Clear Communication, Problem Solving, Detail-oriented, Stakeholder Engagement, Presentation, Collaboration, KPI Reporting, Adaptability, Self-Motivation, Initiator

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

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| Sender+ Courier (Tech-Enabled Logistics Startup) – Co-Founder and Product Lead | Aug 2025 – Present |
| <ul style="list-style-type: none">• Building a campus package delivery solution that addresses the logistics challenges Ghanaian university students face.• Semi-finalist in Grand Rapids DeepTech 2025 Pitch after deploying MVP built on React/FastAPI full-stack architecture. | |
| Blandford School International Night Project Volunteer Cultural Mentor | Allendale, MI Sep 2025 – Nov 2025 |
| <ul style="list-style-type: none">• Mentored local 6th-grade student on Ghana project, guiding research and supporting poster and food presentation. | |
| Important Gifts Inc. DBA Changing The Present – Volunteer Data Science Intern | Apr 2024 – Dec 2024 |
| <ul style="list-style-type: none">• Developed Python scripts to clean and preprocess large datasets, and performed web data scraping for this not-for-profit. | |
| Elizabeth City State University Peer Mentor - VESTEMic Sophomore Bridges Program | Elizabeth City, NC Sep 2023 – Dec 2023 |
| <ul style="list-style-type: none">• Appointed by the computer science department head to mentor 30 sophomores in this specialized program aimed at accelerating their learning in various STEM courses, coupled with dedicated professional development sessions. | |
| Texas Advanced Computing Center, HackHPC, Science Gateways Community Institute “High Performance Computing (HPC) in the City” Hackathon | Austin, TX (Remote) Nov 3 – 7, 2023 |
| <ul style="list-style-type: none">• 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.• Secured the Viewers' Choice Award for showcasing insights and solutions in an innovative manner, and exhibiting collaborative skills in a competitive coding environment. | |
| Thurgood Marshall College Fund The Pitch 2023 Innovation and Entrepreneurial Challenge | Winston Salem, NC May 20 – 25, 2023 |
| <ul style="list-style-type: none">• Collaborated in a diverse team of six to tackle a pressing societal issue; devise a solution, create a business model, build a prototype with the Adalo no-code platform, and deliver a compelling pitch – all amid professional development sessions. | |
| 14th Annual North Carolina-Virginia Alliance Undergraduate Research Symposium Research Presenter | Elizabeth City, NC Mar 28, 2023 |
| <ul style="list-style-type: none">• Presented findings from a comprehensive month-long supervised research on “High Dimensional Big Data”. | |
| Department of Homeland Security Designing Actionable Solutions for a Secure Homeland (DASSH) Hackathon | Remote Feb 24 – 26, 2023 |
| <ul style="list-style-type: none">• Developed a communications solution for stakeholders and first responders in the unfortunate event of a school shooting, as part of a six-man Elizabeth City State University team in this 30-hour-long hackathon featuring 13 colleges. | |
| Manchester Community College Vice President of International Students Association | Aug 2020 – Jun 2021 Manchester, CT |
| <ul style="list-style-type: none">• Supported fellow international students by helping plan events, coordinate meetings, and represent their interests to student leadership and campus staff. | |

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.
Unsupervised Image Segmentation and Reconstruction: Python, Skimage, Matplotlib, NumPy, Pylab, Pandas, PIL.

HONORS AND AWARDS

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| Johnny L. Houston Computer Sciences Award – ECSU Department of Computer Science | Apr 2023 |
| <ul style="list-style-type: none">• Received a certificate and a cash prize as the most impressive senior-year computer science student. | |
| Manchester Community College English Department – Annual Writing Contest Winner | May 2021 |
| <ul style="list-style-type: none">• Secured a cash award and certificate for non-fiction entry in the competitive, college-wide Writing Awards Contest. | |
| Connecticut State Colleges and Universities, Coca-Cola Scholars Foundation, Phi Theta Kappa 2021 All-Connecticut Academic Team Inductee | Apr 2021 |
| <ul style="list-style-type: none">• Honored with a medal and a cash prize as one of the top 30 students across Connecticut state's 12 community colleges. | |