

# GIDEON OSEI BONSU

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## EDUCATION AND CERTIFICATIONS

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

## PROFESSIONAL EXPERIENCE

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|--|---------------------|
| <b>Grand Valley State University</b> – Office of the Provost   | Allendale, MI       |
| <b>Strategic Planning, Assessment and Accreditation Graduate Assistant</b>   | 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.  |                     |
| <b>Elizabeth City State University</b> – Department of Mathematics and Computer Science  | Elizabeth City, NC  |
| <b>Graduate Research and Teaching Assistant</b>  | 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.  |                     |
| <b>Therapeutic Innovations Inc.</b>  | Worcester, MA       |
| <b>Data Analyst</b>  | 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.  |                     |
| <b>Elizabeth City State University</b> – Office of Student Success and Retention   | Elizabeth City, NC  |
| <b>Peer Tutor for Computer Science and Mathematics Courses</b>   | 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.                                   |                     |
| <b>Project Destined</b>  | Remote              |
| <b>Commercial Real Estate Analyst Intern</b>   | 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.  |                     |
| <b>The Home Depot</b>  | Remote              |
| <b>Strategic Business Development Extern</b>   | 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.                                 |                     |
| <b>Meta Career Connections</b>   | 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

### 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 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

Allendale, MI

Volunteer Cultural Mentor

Sep 2025 – Nov 2025

- 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

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

### Elizabeth City State University

Elizabeth City, NC

Peer Mentor - VESTEMic Sophomore Bridges Program

Sep 2023 – Dec 2023

- 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

Austin, TX (Remote)

“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.
- 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

Winston Salem, NC

The Pitch 2023 Innovation and Entrepreneurial Challenge

May 20 – 25, 2023

- 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

Elizabeth City, NC

Research Presenter

Mar 28, 2023

- Presented findings from a comprehensive month-long supervised research on “High Dimensional Big Data”.

### Department of Homeland Security

Remote

Designing Actionable Solutions for a Secure Homeland (DASSH) Hackathon

Feb 24 – 26, 2023

- 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

Aug 2020 – Jun 2021

Vice President of International Students Association

Manchester, CT

- 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

### Johnny L. Houston Computer Sciences Award – ECSU Department of Computer Science

Apr 2023

- 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

- 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

Apr 2021

2021 All-Connecticut Academic Team Inductee

- Honored with a medal and a cash prize as one of the top 30 students across Connecticut state's 12 community colleges.