CHIDERA ORIZU

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Summary

Aspiring Bioinformatics and Data Scientist experienced at Brigham Young University–Idaho, skilled in R, Python, SQL, machine learning, and bioinformatics tools (BLAST, NCBI, Ensembl). Skilled in automating workflows, analyzing large datasets, and building predictive models. Strong communicator passionate about applying computational biology to healthcare, biotechnology, and life sciences.

Education

September 2022 - December 2026

Brigham Young University - Idaho

- Bioinformatics/data Science, Expected in 12/2026
- Brigham young university Idaho academic scholarship Chidera Orizu
- 3.7 /4.0 *GPA*

Experience

Data Analyst   January 2025 - Present

Brigham Young University-Idaho

- Used statistical methods to analyze data and generate useful business reports
- Utilized data visualization tools like (matplotlib, seaborn, plotly, bokeh, lets-plot, dash) to communicate business insights
- Automated data cleaning and statistical analysis using R, improving report accuracy, and reducing manual data preparation time
- Partnered with cross-functional teams to understand business needs, translating data insights into actionable recommendations that enhanced operational efficiency and resource allocation

Biology Volunteer and Teaching Assistant   April 2024 - June 2025

Brigham Young University-Idaho

- Assisted professors with experiments and lab workflows, increasing data retrieval efficiency by 20%
- Gained hands-on experience in molecular biology techniques, such as pipetting, microscopy, and DNA sample handling
- Collaborated with students and professors to troubleshoot lab procedures, enhancing problem-solving skills
- Contributed to lab's research goals by assisting with data collection and preliminary analysis, laying groundwork for future publications
- Developed strong leadership and communication skills by guiding students in lab

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Skills

- Programming & Scripting: Python, R, SQL
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, ggplot2
- Genomics & Sequence Analysis: Next-Generation Sequencing (NGS), RNA-Seq, variant calling, genome annotation
- Statistics & Machine Learning: Regression, clustering, classification, scikit-learn, TensorFlow/PyTorch
- Molecular biology techniques (PCR and DNA/RNA extraction)
- Work Skills: Strong in communication, teamwork, problem-solving, and time management in technical and collaborative settings