Osaze Ogieriakhi

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Education:

Washington State University, Pullman WA, USA — Expected Graduation: Dec. 2025
Bachelor of Science Computer Science

- GPA: 3.7

Relevant Courses: Prompt Engineering, Azure AI Fundamentals, Systems Programming, Microsoft Machine Learning Fundamentals

- Awards:
    - President's List, Washington State University, Spring 2022 - Fall 2023
    - Recipient of the James C. Geier Scholarship from the WSU College of Engineering and Computer Science
    - 1st Position State Physics Olympiad, 2021.

Skills:

- Languages: C/C++/C#, Python, R, SQL, Haskell, JavaScript, Go
- Tools: Azure, APIs, Git/Github, Linux, NumPy, MATLAB, TensorFlow, PyTorch
- .NET frameworks, ML, Network Programming
- Quick learner with adeptness at mastering new concepts and technologies rapidly.
- Strong analytical and problem-solving skills

Professional Experience:

Teaching Assistant (Data Structures) — August 2024 – present.

Washington State University College of Electrical Engr. & Computer Science, Pullman WA, USA

- Assist in leading lab sessions, guiding students through complex data structure concepts and implementations.
- Grade assignments and exams, offering constructive feedback to help students improve their coding practices.
- Collaborate with the course instructor to ensure a seamless and effective learning experience for all students.

Technical Researcher — April 2024 - present

USDA-ARS, Animal Disease Research Unit - Remote

- Coded and debugged R and Python scripts for data analysis from field experiments.
- Automated data processing and analysis workflows to improve efficiency.
- Supported multidisciplinary teams in project planning and execution, presenting findings and maintaining research records.

Senator — August 2023 – present

National Society of Black Engineers (NSBE) WSU Chapter

- Established strong alliances with industry leaders, including Blue Origin and SEL.
- Led and coordinated organization meetings, fostering a collaborative environment for effective planning and execution of initiatives.
- Strengthened connections by liaising with external organizations, expanding NSBE's influence and impact within the STEM community.
- Represented NSBE at conferences, amplifying the organization's visibility and contributing to its reputation.

Programming Projects:

TravelBuddy (Web Application)

- **Description**: A personalized travel planning application that generates customized itineraries based on user preferences and budget. The platform supports user authentication, itinerary modification, and saving functionalities, leveraging a robust backend for data storage and OpenAI API for dynamic itinerary generation. It aims to streamline travel planning by integrating AI with a user-friendly interface.
- **Technologies Used**: Python (Flask), SQLAlchemy, SQLite, REST APIs, JSON, and GitHub Actions for CI/CD.

Spreadsheet Application (Windows Application)

- **Description:** An advanced desktop spreadsheet application developed to emulate the functionality of Google Sheets and Excel. This application offers users a comprehensive set of tools for organizing, analyzing, and visualizing data in tabular form. Features include support for formulas, charts, conditional formatting, and data validation, empowering users to manipulate and interpret data with ease.
- **Technologies Used:** C#, GitLab, Avalonia, Rider, graphical user interface (MVVM), Object-Oriented Programming.