

Osaze Ogieriakhi

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Professional Summary

Aspiring software engineer with a strong foundation in computer science and hands-on experience in full-stack development, machine learning, and data analysis. Passionate about building scalable, user-friendly applications and leveraging AI to solve real-world problems.

Education

Bachelor of Science in Computer Science

Expected Graduation: December 2025

Washington State University, Pullman, WA

- **GPA:** 3.7 | **Relevant Coursework:** Neural Networks, Azure AI Fundamentals, Systems Programming
- **Awards:** President's List (Spring 2022 - Fall 2024), James C. Geier Scholarship

Skills

- **Programming Languages:** C/C++, C#, Python, SQL, JavaScript, Java, PHP, Go
- **Tools/Frameworks:** Azure, Appian, Node.js, Swift, MongoDB, Git/GitHub, React, TensorFlow, PyTorch
- **Software Engineering:** API Design, Debugging, Testing, REST APIs, Agile Methodologies, Databases
- **AI Skills:** Neural Networks Design, Machine Learning, Data Analysis, Predictive Modeling
- **DevOps/Testing:** Kubernetes, Docker, NUnit, PyTest, Jenkins, Selenium
- **Soft Skills:** Collaboration, Problem-Solving, Communication, Leadership

Professional Experience

Near-Peer Mentor

September 2024 - Present

Why Not You Academy, Des Moines,, WA

- Mentored 5+ high school students in navigating career decisions and aspirations.
- Developed a supportive environment through one-on-one and group interactions, helping students build confidence and skills for future success.
- Assisted students with understanding key computing concepts and encouraging their interest in STEM fields.

Teaching Assistant (Data Structures)

August 2024 - Present

Washington State University, Pullman, WA

- Guided 20+ students in mastering data structures, improving class performance by 20%.
- Graded assignments and provided feedback to enhance coding practices and problem-solving skills.
- Prepped students for course exams and quizzes to increase performance and understanding of course.

Technical Researcher

June 2024 - Present

US Department of Agriculture - Agriculture Research Service (USDA-ARS), Remote

- Automated data workflows using Python, reducing processing time by 90%.
- Developed R and Python scripts for data analysis, contributing to 2 research papers.
- 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 partnerships with Blue Origin and SEL, providing networking opportunities for 100+ members.
- Represented NSBE at 10+ conferences expanding NSBE's influence and impact within the STEM community.
- Led and coordinated organization meetings, fostering a collaborative environment for planning and execution of initiatives.

Technical Projects

TravelBuddy (Web Application)

Technologies: Python (Flask), SQLAlchemy, OpenAI API, REST APIs

- Built a travel planning app generating 500+ personalized itineraries for users.
- Integrated OpenAI API for dynamic itinerary generation and implemented user authentication.

Spreadsheet Application (Windows Application)

Technologies: C#, Avalonia, MVVM, Object-Oriented Programming

- Developed a desktop spreadsheet app with formula parsing, charts, and data validation.
- Implemented 10+ mathematical functions and used MVVM for scalable code.

3D Portfolio (Website)

Technologies: JavaScript, TailwindCSS, Node.js, React, HTML

- Created a 3D responsive portfolio website showcasing my achievements as a professional.