

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 | Minor in Mathematics

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
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Skills

- **Programming Languages:** C/C++, C#, Python, SQL, JavaScript, Java, PHP, Go
 - **Tools/Frameworks:** Azure, AWS, 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
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Professional Experience

Software Engineer Intern

May 2025 - Present

Schweitzer Engineering Laboratories, Pullman, WA

- Collaborate with product experts to understand requirements to design and build quality test solutions
- Analyze test results, detect issues, and track root causes
- Thoroughly investigate and diagnose complex software issues reported by users or escalated from others

President

May 2025 - 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.
- Support and guide executive board members in their roles.

Teaching Assistant (Data Structures)

August 2024 - January 2025

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

April 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.
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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.

Hackranomics (Web Application)

Technologies: TypeScript, MongoDB, REST APIs

- Developed a financial tracking app for tracking spending and habits and financial support.
- Integrated GenAI APIs for saving plans and recommendations also 3D models for reflection of user spending.