Olayinka Vaughan

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EDUCATION

Wesleyan University   Middletown, CT
Bachelor of Arts in Computer Science   May 2027
Honors/Awards: Wesleyan African Scholar
Related Coursework: Intro to Programming in Python, Applied Data Analysis in Stata, Computer Science I in C
Certifications: Intermediate Python (DataCamp – May 2023), Data Manipulation with Pandas (DataCamp – May 2023), Hewlett-Packard Software Engineering Job Simulation (Forage - Oct 2024), Accenture Data Analytics & Visualization Job Simulation (Forage - Nov 2024)
Programs: Goldman Sachs Virtual Insight Series

TECHNICAL SKILLS

Programming: HTML, CSS, JavaScript (React.js, Node.js), Python (NumPy, Pandas, Plotly, Dash), Stata, R, C
Tools: Microsoft Office, WordPress, nodegoat, QGIS, Virtual Machines (UTM, VirtualBox, VMware Fusion)

EXPERIENCE

***Research Assistant*, Wesleyan University,** Middletown, CT   Feb 2024 - May 2024
- Collaborated with College of Letters and Traveler's Lab to develop Constantinopolitana: Database of East Rome (CDER), a cutting-edge spatial encyclopedia focusing on the Carolingian Empire's history
- Conducted in-depth analysis of 3 historical chronicles from the Carolingian Empire, leveraging advanced modeling techniques in nodegoat and QGIS to visualize and map data

***Project Manager Coordinator*, Wesleyan University,** Middletown, CT   Oct 2023 – Dec 2023
- Utilized Adobe Workfront to plan, track, and report 100 projects improving project completion rate by 15%
- Audited 50 previous university projects and cleaned up databases resulting in 25% faster load times

***HNG 9.0 Intern*, Zuri Team,** Remote   Oct 2022 – Nov 2022
- Conducted 3 code reviews per week, contributing to a 20% improvement in overall code quality
- Partnered with a team of interns to develop and test scalable React.js web applications

***Founder and President*, WebTeens,** Lagos, Nigeria   Jun 2020 – Aug 2022
- Led 5 teens to enhance web development skills, achieving 70% increase in HTML/CSS proficiency
- Organized 2 weekly pair programming sessions using TeamViewer, implementing driver-navigator technique, resulting in 15% faster problem-solving and 30% improvement in code quality

PROJECTS

LinuxBenchHub *| Ruby, R*   Oct 2024 - Present
- Conducted in-depth benchmarking of Ubuntu, Debian, and Fedora distributions on VMware Fusion using Phoronix Test Suite, determining optimal efficiency for various workloads
- Engineered an automated benchmarking pipeline using Ruby and R to accelerate data processing by 50% and enable real-time performance visualization across Linux distributions
- Developing an interactive, web-based application with Ruby on Rails for benchmarking insights

JobJotter *| HTML, CSS, JavaScript (React.js)*   Nov 2024
- Developed a React-based job application tracking system with CRUD functionality
- Implemented state management with React hooks to handle job application data and form inputs
- Utilized local storage to persist job application data across browser sessions

GlobalEconomica *| Python (Dash, Plotly, Pandas, WBGAPI)*   Nov 2024
- Developed an interactive data visualization dashboard using Dash and Plotly to analyze global economic trends, including GDP, unemployment rates, and inflation rates
- Integrated World Bank API to fetch real-time economic data for 189 countries, reducing data latency by 60% and ensuring 100% accuracy in economic indicators