Kaine Oduah

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SUMMARY

- Computer Science graduate, strong proficiency in Python, Java, and C++.
- Experienced full-stack developer, highly skilled in version control (Git), and delivering scalable web and desktop applications.
- Highly proficient in data analysis and visualization.
- Problem solver, strong written and verbal communication, attention to detail, and passion for building scalable, user-centric solutions that efficiently and effectively address use cases.

EDUCATION & CERTIFICATIONS

Pennsylvania State University | B.S - Computer Science | May 2025
Coursework: Agile Methodology, Natural Language Processing, Data Structures, Algorithms, Databases, Discrete Mathematics, Systems Fundamentals, Computer Organization, Theory of Computation, Information Literacy, Data Models and Inference, UX Design.
- **CompTIA Security+ certified**

TECHNICAL SKILLS

- **Languages**: Python, Java, C++, JavaScript
- **Web**: HTML, CSS, React, Node.js, PHP, MySQL
- **Tools**: Git, GitHub, SQLite, OpenCV, PyTorch
- **Concepts**: OOP, REST APIs, Unit Testing, Agile

PROJECTS

- **Machine Learning & Artificial Intelligence: Deep Learning Brain Segmentation -** Implemented a U-Net architecture model to accurately automate segmentation on hundreds of brain images to reduce the amount of time it takes to begin data preparation and analysis for those in the medical/scientific field.

- **Desktop Application: SUN Lab Access System -** Developed a desktop app with an admin GUI for lab check-ins and database integration to replace informal sign in sheets, which makes it easier to keep track of in comparison to traditional methods.

- **Full Stack Web Application: Maintenance Request Web App** - Built a full-stack maintenance system with form submission, admin approval, and status tracking dashboard, whose purpose is to decrease the amount of missed messages and give everyone a source of truth for open and closed work.

EXPERIENCE

Pennsylvania State University | Digital Media Technician | PA, USA | (Sep 2023 – May 2025)

- Built digital interfaces with HTML/CSS/JS for display and media delivery systems.
- Automated media asset management using custom scripts to improve workflow efficiency.
- Delivered technical support for digital equipment, displays, and software tools.
- Collaborated with campus teams to integrate multimedia technology into events.

Matrix Group Logistics Inc | IT Support | CA/Remote, USA | (June 2022 - August 2022)

- Maintained and updated the company website by implementing scripted content changes and ensuring stable site performance.

- Executed batch asset processing workflows and applied Artificial Intelligence insights to optimize user experience and streamline digital content delivery.

COMMUNITY INVOLVEMENT

African Student Association | (August 2021 - May 2025)

- Planned campus events, managed promotion and member engagement.

National Society of Black Engineers (NSBE) | (August 2021 - May 2025)

- Engaged in mentorship, workshops, and STEM leadership development.