Oghenekeno Obuwoma

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EDUCATION

University of Ottawa   Ottawa, ON
Bachelor of Applied Science in Software Engineering   *present– March 2028*

TECHNICAL SKILLS

Languages: HTML, CSS, Git, Java, Python, SQL (via SQLite) | Beginner: JavaScript, C
Core Knowledge: Object-Oriented Design, Data Structures and algorithms, Operating Systems
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Android Studio
Technologies: SQLite, Figma, GitHub, Notion, Trello, Canva

PROJECTS

Event Planner App | *Java, AndroidStudio, Git*   September 2024 -December 2024| github
- Created a visually appealing and functional mobile app employing **object-oriented principles** in Java
- Utilized Android Studio to optimized code efficiency led to reduced loading times by up to 2 seconds per page view
- Streamlined project collaboration and release tracking by utilizing GitHub for version control, ultimately leading to a **35 percent** increase in team productivity
- Managed events and user data with an **SQLite database**, enabling reliable storage and retrieval of user information

MealBytes | *HTML/CSS, Git*   September 2023 - December 2023 | github
- Developed a dynamic web application using **HTML and CSS,** enhancing front-end efficiency by **15 percent** and optimizing team collaboration for a more seamless development process
- Reduced merge conflicts by **50 percent** by implementing clear branch naming conventions and detailed Git documentation

Linguistion App: Hackathon challenge | *Python, Google Translate API, Git*   January 2025 | github
- Prototyped a real-time translation app to assist students from diverse backgrounds
- Integrated voice recognition and the **Google Translate API**, learning valuable lessons about speech-to-speech translation challenges, including latency and accuracy limitations
- Implemented transcribing and translating features to convert live lectures into their preferred languages; promoting accessibility and inclusivity in education

Communication Aid device | *3D printing, CAD*   September 2024 -December 2024
- Developed and tested 4 prototypes of tactile communication devices within three months
- Utilized **3D printing** and CAD to design tactile buttons that play audible words when pressed, ensuring clear communication and ease of use
- Incorporated user feedback during prototyping, ensuring effective message transmission tailored to the needs of individuals with speech challenges

EXPERIENCE

Student Assistant   January 2021- May 2021
Carleton University   *Ottawa, ON*
- Provided actionable insights by collaborating with the director to interpret their vision, improving project alignment with strategic goals
- Increased client engagement by **5 percent** through data analysis that identified key trends and targeted strategies
- Supported project management efforts by maintaining clear communication across teams, which helped ensure that all milestones were met on time and within scope