

Oluwadamilola Whedan

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EDUCATION

University of Houston - Downtown

Bachelor of Science in Computer Science, Minor in Data Science

Houston, TX

Aug. 2022 – Dec 2025

Houston Community College

Associate's in Science

Houston, TX

Aug. 2020 – May 2022

EXPERIENCE

Undergraduate Research Assistant

January 2024 – May 2024

Cybersecurity Data Researcher

Houston, TX

- Developed a synthetic data generation system to create realistic datasets mimicking cyber security events and anomalies.
- Designed and implemented custom data generation pipelines to produce diverse and representative datasets for training and testing cyber security models.
- Documented the methodology, algorithms, and results of the synthetic data generation project for knowledge sharing and future reference.
- Contributed to improving the efficiency and accuracy of cyber security systems through the development and integration of synthetic data.

Undergraduate Research Assistant

September 2024 – December 2024

Android Development Team Member

Houston, TX

- Collaborated with a team to develop Money Mind, an educational Android app designed to improve users' financial literacy through interactive, quiz-based assessments.
- Assisted in creating an intuitive UI/UX using Java and XML, ensuring a responsive design and seamless user experience across devices.
- Utilized Firebase, a cloud-based platform for real-time data storage and management, to store and dynamically retrieve all quiz questions, ensuring smooth updates and seamless content delivery.
- Used GitHub for version control and collaborative coding, maintaining a clean and well-documented codebase that facilitated smooth teamwork and streamlined project updates.

PROJECTS

Health and Fitness Website | *HTML, CSS, JavaScript*

June 2024 – August 2024

- Developed a user-friendly web platform focused on weight loss and muscle building, targeting beginners interested in improving health and fitness.
- Conducted research on diet, nutrition, and exercise to create accurate, engaging content, making complex health information accessible to users.
- Designed and implemented a responsive front-end interface using HTML, CSS, and JavaScript, optimizing for both mobile and desktop views.
- Created interactive features to enhance user engagement, including personalized content and a clear, navigable layout to improve user experience.

Blood Bank Management System | *MySQL, Git*

October 2024 – December 2024

- Collaborated with a team to design and develop a comprehensive blood bank management system using SQL to handle critical data for blood donations and transfusions.
- Structured the database to manage key entities such as patients, donors, and blood types, ensuring compatibility and accuracy for blood transfers.
- Implemented database normalization and used primary keys to uniquely identify donors and patients, optimizing data integrity and query efficiency.
- Strengthened teamwork and technical skills while contributing to a project that supports critical healthcare processes.

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, JavaScript, HTML/CSS, R, Kotlin

Developer Tools: Git, Firebase, RStudio, VS Code, PyCharm, IntelliJ, Android Studio, Eclipse, MySQL Workbench

Libraries: faker, pandas, NumPy, Matplotlib