

Whitney Nsegbe

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EDUCATION

University of Ottawa

Aug 2024 – Dec 2028

Bachelor of Science in Software Engineering, Co-op

– **Relevant Coursework:** Data Structures, Operating Systems, Introduction to Software Engineering

EXPERIENCE

Deloitte

May 2026 – Aug 2026

Intern - Analyst, Technology & Transformation Cyber

Ottawa, ON

– Selected for Deloitte's Technology & Transformation practice to implement, test, and support IT solutions across cybersecurity and cloud platforms, translating business requirements into technical solutions for enterprise clients.

Digital Arts Resource Centre

Jun 2024 – Aug 2024

Intern - Web Development Assistant

– Collaborated in an **Agile** team to redesign the DARC website using **WordPress, HTML, and CSS**, improving accessibility and increasing user engagement by **22%**.

Websites by Whitney

Jan 2023 – Present

Freelance Web Developer

– Designed and developed custom responsive websites for 10+ clients using **Webflow, WordPress, HTML, CSS, and JavaScript**.

– Integrated third-party **APIs** across client projects, driving an average **20% increase** in customer engagement and conversions.

PROJECTS

uFindIt — ufindit.onrender.com

Flask, Supabase, PostgreSQL, JavaScript – Full-stack web application

– Built a full-stack lost-and-found platform for uOttawa students in a team of 3, supporting item reporting, image uploads, claim submissions, and automated email notifications on claim status.

– Designed a relational database schema (users, items, claims, categories) and implemented **role-based access control** separating guest and authenticated user permissions across all routes.

– Engineered end-to-end **authentication** using Supabase Auth (JWT), session management, and **before_request** middleware – debugging redirect loops and token refresh issues across dev and production environments.

– Deployed to production on **Render** with environment variable configuration and Supabase cloud storage for secure image handling.

Black Spoken — websitesbywhitney.pythonanywhere.com

Python, Spotify API, MySQL – Podcast discovery platform

– Built a podcast discovery app using the **Spotify API, Python, and MySQL** to help users find podcasts by Black creators, reaching over **2,000 active users**.

– Designed and optimized a **MySQL** database schema to handle user data, search history, and API interactions at scale.

VOLUNTEERING EXPERIENCE

National Society of Black Engineers

Jul 2025 – Present

Vice President of Events

– Organized campus-wide events using strategic programming and inclusive engagement, increasing member participation by **30%**.

– Led digital fundraising campaign using milestone-based donor outreach, raising funds for Sudan humanitarian relief.

Command Add Girls

May 2024 – Present

Teaching Assistant

– Taught core programming concepts using **JavaScript, HTML, and CSS** to **40+ young girls**, resulting in improved coding confidence and successful completion of hands-on projects.

AWARDS & HONORS

Français pour l'avenir Scholarship (2023) – National French essay competition, *Concours national de rédaction*

SKILLS

Languages & Frameworks: Python, JavaScript, HTML, CSS, Java, Flask, Jinja

Databases & Cloud: PostgreSQL, MySQL, Supabase, Render, RESTful APIs

Tools: Git, WordPress, Webflow, Agile

Spoken Languages: English (C2), French (C2), Portuguese (A2)