

TYSHA DANIELS

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SUMMARY

Detail-oriented and motivated Information Technology undergraduate with hands-on experience in software and web development. Proficient in C++ programming and PostgreSQL database management, with additional expertise building and customizing websites using the Wix platform. Quick to learn new tools and languages, strong at troubleshooting and debugging, and eager to apply analytical problem-solving skills in collaborative tech environments.

EDUCATION

Associates in Information Technology

Aug 2023 - Present

University of Belize

- Relevant Courses:** Data Structures, Systems Analysis & Design, Web Development, Object-Oriented Systems Development, Networking Fundamentals, GUI Programming, Systems Programming & Computer Organization

WORK EXPERIENCE

IT Intern – UB Environmental Research Institute (ERI)

Feb 2025 – May 2025

- Assisting in **fixing and improving the UB ERI website** for better functionality and usability.
- Assisting in **researching and identifying a hosting solution** for the deployment of an **R Shiny app**, and providing additional technical support as needed throughout the internship.

SKILLS

- Database Management:** PostgreSQL
- Technical Documentation:** Report writing, Data Flow Diagrams
- Web Tools:** HTML, CSS, JavaScript for front-end applications

- Backend Development:** Express.js (learning)
- Programming Languages:** C++, Go (Golang), JavaScript, Python, TypeScript (learning)

RELEVANT PROJECTS

UB TreeTrack

Aug 2024 - Nov 2024

University of Belize - Systems Analysis & Design Group Project

- Collaborated on developing a tracking system for the University of Belize campus, organizing plant and tree data, including scientific names, historical details, and locations.
- Defined project scope, outlining system objectives, requirements, and estimated duration.
- Developed the Baseline Project Plan, organizing tasks, dependencies, and risk prevention strategies.
- Conducted project sponsor interviews, documented responses, and transcribed key information.
- Created Level-1 Data Flow Diagrams (DFDs) to visualize system processes and workflows.
- Documented form/report specifications, including UI mockups and desktop screenshots.
- Reviewed and refined phase deliverables to ensure clarity, completeness, and accuracy.

LEADERSHIP & VOLUNTEER WORK

- **Secretary, UB ACM Club** (2024 – Present) – Assist in organizing events and managing club records.
- **Volunteer, UB ACM Events** (2023 – Present)
 - Hour of Code (Dec 2024, 2023)
 - UB Science Day Fair (Oct 2024)
 - Jam n Java (Oct 2024)
 - Semester Kick-off (Sept 2024)
 - Robotics Competition (May 2024)

AWARDS & ACHIEVEMENTS

- **Outstanding Academics Award, University of Belize** (2023) – Full-ride scholarship awarded for exceptional academic performance.
- **Valedictorian, Belmopan Methodist High School** (2023)