

Esther Adeosun

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EDUCATION

University of Guelph

Bachelor of Computing in Software Engineering with co-op, Minor in Project Management

Guelph, ON

Sep. 2023 – Present

- Extracurriculars: Guelph Women in Computer Science, Guelph Coding Community.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, HTML, CSS, SQL, R

Frameworks and Libraries: React/React Native, Expo, Pandas, Matplotlib

Developer Tools: Git, GitHub Actions, Gitlab CI/CD, Valgrind, Docker, GDB (GNU Debugger)

Soft Skills: Design Thinking, Public Speaking, Teamwork, Leadership

PROJECTS

Automated Transportation Scheduler | *Python, Google Forms API, Geolocation APIs*

- Developed an automated system to match passengers with volunteer drivers for weekly church transportation.
- Used Google Forms API to collect ride requests and Google Maps API to calculate travel distances, factoring in each driver's available seats and route proximity.
- Eliminated manual scheduling by generating optimized rosters, making the process faster, more efficient, and easier for the organizer.

Personal Budget Tracker | *React, JavaScript, HTML/CSS*

- Designed a personal budgeting tool to help manage school expenses across categories like rent and groceries.
- Leveraged React useState and a centralized update function for real-time balance updates across components.
- Reinforced skills in building user-focused web apps that solve everyday financial planning needs.

Portfolio Simulation Software | *Java, OOP, Data Structures*

- Designed an investment tracking application with features to buy, sell assets, calculate gains, and search portfolios
- Used hash maps and arrays for efficient data storage, practicing encapsulation and interface-based design.

C-Based vCard Manager | *C, Python, MySQL, SQL*

- Built a contact parser in C with a Python-MySQL interface to load, edit, and save vCard files with metadata.
- Used SQL to store and retrieve contact info and handled dynamic file updates from a custom front-end.
- Strengthened skills in memory management, C-Python integration, and backend data flow.

EXPERIENCE

Web Application Developer

Jun. 2025 – Aug. 2025

Meadowvale East Apostolic Church

Scarborough, ON

- Designing and implementing a real-time Food Bank activity module integrated with the existing church website, using XHTML, CSS, PHP, and SQL.
- Developing a timekeeping application for summer staff, with integration to QuickBooks for payroll processing.
- Coordinating with the team lead and web provider to ensure seamless deployment and AODA compliance.
- Creating a user manual and conducting testing for ongoing site maintenance and usability.

Program Coordinator

Jul. 2024 – Aug. 2024

STEM Camp

Kitchener, ON

- Led coding and robotics activities, fostering technical skills and problem-solving among 40 campers.
- Prepared detailed reports on program progress, while supervising and managing a team of counselors.

Audio/Visual Team Volunteer

Sep. 2020 – Present

Kingdom Stars Assembly

Guelph, ON

- Gained hands-on experience in IT support, managing equipment and addressing real-time technical challenges.
- Set up and operated A/V equipment for services and events, including microphones, projectors, and sound systems.

Video Series Creation Volunteer

Feb. 2023 – Nov. 2024

GlassHouse Systems

North York, ON

- Developed a 2-part training series for internal teams at GlassHouse Systems, covering confidentiality, VPN usage, and AI safety.