

Clinton Osawe

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TECHNICAL SKILLS

Languages: JavaScript, Python, Swift, Roland, C++, C, Java, R, TypeScript

Frameworks: .Net Core, Node.js, Flask, React.js, Bootstrap, Express.js, Next.js,

Developer Tools: NLP, Stripe API, AWS, Firebase, Google Cloud, Google Analytics, Git, Github, MongoDB

EDUCATION

Wilfrid Laurier University

Honours Bachelor of Science in Computer Science

Waterloo, ON

Sept 2022 - April 2026

PROJECTS

ExTracker WebApp | React, Next.js, Express.js, TypeScript, MongoDB, HTML5, CSS

- Built a mock full-stack task management application using React.js (frontend) and Node.js with Express.js (backend) for real-time task tracking.
- Built using MongoDB as the database to store user tasks, deadlines, and priority levels
- Utilized the Firebase Realtime Database and Authentication service to store and retrieve user data efficiently, and provide security for user login and data

E-Commerce Platform | Next.js, Node.js, React.js, PostgreSQL, HTML5, CSS, JavaScript

- Design and develop a scalable e-commerce website using Next.js, Node.js, and PostgreSQL, supporting user authentication and secure transactions
- Worked as a team with 3 other fellow classmates on the project using Github and Git
- Optimized database queries and API endpoints to handle high traffic, ensuring fast product search, cart management, and order processing
- Integrated payment gateways (Stripe, PayPal)

RELEVANT EXPERIENCE

AI Research Intern

Remote

Vector Institute AI

May 2024 - August 2024

- Conducted research concerning hardware acceleration, probabilistic machine learning, and bioinformatics to develop scalable algorithms for DNA barcoding
- Assisted in designing and optimization machine learning models to enhance the efficiency and accuracy of genetic sequence classification
- Documented research findings and presented results to senior researchers, contributing to ongoing projects

Operating Systems Research Assistant (Apprenticeship)

Wilfrid Laurier University

Waterloo, ON

Jan 2025 - March 2025

- Designed and implemented a custom Unix-like shell with built-in command execution, process simulation, and a virtual filesystem
- Worked as a team on project with fellow classmate to develop project using Git and Github
- Implemented command execution, process management, file I/O operations to simulate core OS functionalities
- Utilized C programming, system calls, and shell scripting to enhance system level development skills

References Provided Upon Request.