Cooper MacGregor, Software Developer

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PROFILE

Hardworking and enthusiastic University Student working towards a BSc. in Computer Science. Knowledgeable in user interface, testing, and debugging processes. Able to effectively self-manage during independent projects, as well as collaborate in a team setting. Equipped with a diverse and promising skill-set. Proficient in various platforms, languages, and embedded systems.

EDUCATION

Sep 2021 - Apr 2025, Bachelor of Computer Science - Honors, University of Guelph

TECHNICAL SKILLS

C, JavaScript, Python, SQL, React, Tailwind CSS, Git, HTML, CSS

COURSEWORK

Data Structures, Analysis & Design of Computer Algorithms, Software System Development & Integration, Object-Oriented Programming, Discrete Structures in Computing 1 & 2, Intermediate Programming, Microcomputers, Calculus

PROJECTS

WeCamp - React, django, Stripe, Tailwind
Online Availability Check: Empowered campers by enabling them to check campsite availability in real-time from anywhere, eliminating the need for frustrating email and phone inquiries.
Effortless Booking: Streamlined the booking process, allowing campers to secure their desired site within seconds, enhancing user satisfaction.
Modern Technology Stack: Developed with cutting-edge technologies such as React, Django, Tailwind CSS, and Stripe, ensuring a robust and user-friendly platform..
Transparency: Improved the overall camping experience by providing clear information about the campsite and amenities, eliminating guesswork for campers.
https://github.com/cooopmac/campsitemanagementsystem

The Lazarus Method - django, JavaScript, Postgres
Customized Wellness Tracking: Designed and developed a web application for Dr. Ryan Lazarus, a prominent California-based Naturopath, to assist patients in enhancing their physical, mental, and spiritual well-being.
Django Framework Expertise: Leveraged the Django Framework with Python as the core technology stack, ensuring a robust and scalable platform for comprehensive patient care.
Data Management with Postgres: Utilized Postgres for efficient data storage and retrieval, optimizing the tracking of patient progress and wellness insights.
https://github.com/justinbather/lazarus-method

Personal Portfolio - React, Tailwind
Comprehensive Portfolio: Developed a personal portfolio website as a dynamic showcase of my professional skills, projects, and work experience, targeting potential employers, clients, and collaborators.
Technological Expertise: Employed a modern technology stack, including HTML, CSS, JavaScript, React, and Tailwind, to create an engaging and interactive user experience.
Professional Presentation: Crafted an aesthetically pleasing and user-friendly interface, providing a clear overview of my skills and expertise to effectively communicate my qualifications.