ETHAN UM

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LinkedIn: linkedin.com/in/ethan-um/
Github: github.com/Ethan-new/
Portfolio: ethanum.dev/

Skills

Languages: C, C++, Java, JavaScript, Python, SQL
Technologies: React, Vue, NextJS, Golang, Git, MongoDB, Bash

Work Experience

Supply Teacher   **Toronto, ON**
Toronto Catholic District School Board   September 2024 – Present

- Conducted teaching duties while prioritizing the safety of students through the implementation of active safety protocols and attentive supervision during classroom activities and transitions.
- Implement lesson plan in a timely manner while ensuring academic integrity standards.

Web Developer   **Toronto, ON**
Treasury Board Secretariat   January 2023 – April 2023

- Developed necessary front-end features with Vue and Vuetify, resulting in a more intuitive user interface for data entry and significantly enhancing data export functionalities.
- Produced high quality mock ups in Figma, facilitating clear communication with the product manager and speeding up the development process by using visual representations for the design.
- Developed essential back-end routes with Golang and MariaDB, enabling seamless data retrieval and manipulation for OPS Websites DB.
- Effectively and efficiently communicated the status of work tickets to my senior developer using daily scrums on Microsoft Teams.
- Lead the development of a Hackathon project hosted by Microsoft, leveraging Microsoft Power Apps to create an innovative solution to allow people inside the OPS to connect.

Junior Software Developer   **Toronto, ON**
Aim Vector   May 2022 – August 2022

- Developed, designed and maintained full stack React applications and components to delivering scalable and user-friendly features.
- Built Python GUI for Artificial Intelligence Engine, seamless integrating user-friendly interfaces with advanced AI functionalities, resulting in an intuitive platform for data analysis.
- Produced comprehensive documentation tailored for product manager to develop product market plans.

Projects

Flip Tracker, NextJS, Tailwind, MongoDB, Vercel   **Live Site**
Developed, designed, and implemented a full-stack web application enabling users to log and track their "flips". The platform provides detailed analytics focused on profit, cost, and revenue. NextJS was used for the front-end and MongoDB for the back-end, ensuring a seamless and dynamic user experience. Implemented secure user authentication using JWT tokens.

MyStuff, React, Material UI, Firebase   **Live Demo** | **GitHub**
Created a full-stack web application enabling users to efficiently store, track, and manage their personal items, utilizing technologies such as React, Material UI and Firebase to deliver a seamless user experience and robust functionality.

Fitness Mobile App, React Native, AWS Amplify, CSS   **GitHub**
Developed a React Native application allowing users to track their calorie intake and plan exercise routines seamlessly. Features like the auto workout generator promote health-conscious behaviors and motivate the user to get active.

Education

Seneca College - Bachelor of Technology, Software Development (3.6 GPA)   **2019 - 2023**