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, Golang
Technologies: React, Vue, NextJS, Git, MongoDB

Work Experience

Supply Teacher   Toronto, ON
Toronto Catholic District School Board (TCDSB)   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.
- Implemented lesson plans promptly while ensuring academic integrity standards.

Web Developer   Toronto, ON
Treasury Board Secretariat (TBS)   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
- Led 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 (AV)   May 2022 – August 2022

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

Personal Projects

Flip Tracker – Inventory management web application   **Live Site**
NextJS, TypeScript, HTML5, Tailwind, MongoDB, Vercel

- Planned and implemented a web application to allow users to catalogue and track their "flips"
- Designed a user dashboard to display users' statistics like profit, revenue and expenses in graph form
- Implemented a user table page allowing for quick and efficient data edit, entry and removal

My Stuff – Itemized item tracker web application   **Live Site** | **GitHub**
React, JavaScript, HTML5 Material UI, Firebase

- Developed a full-stack web application enabling users to track their own personal items
- Built a tagging system inside of the app to allow users to track and store their items more effectively
- Integrated Google Firebase for user authentication and storage of user data

League Tracker – League of Legends match history viewer
NextJS, TypeScript, HTML5, MongoDB, Express, JavaScript, RiotAPI   **Live Site**

- Created a web app to allow league players to search a player's username and see their match history
- Designed and implemented the user interface with TypeScript and NextJS
- Planned, designed and implemented back-end to adhere to Riot Games API limitations

Education

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