Raymond Tao

Eager sophomore SE student seeking a summer 2024 co-op

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🌐 /raymondt

🖥 Skills

Programming Languages Python, JavaScript, TypeScript, HTML, CSS, Java, C++, SQL

Tools React, Express, MongoDB, Mongoose.js, Tailwind CSS, Node.js, Kubernetes, Docker, Terraform, AWS S3, FastAPI, Next.js, GCP, PostgreSQL

🎓 Education

McMaster University   2022 – Present

Bachelor of Engineering - Software Engineering   *Hamilton, ON*

> **Relevant Skills:** OOP, DSA, Computer Architecture, Software Design
> Awarded Engineering Award of Excellence worth $3000
> Clubs: intramural basketball, water polo, jiu jitsu, chess

</> Projects

🔗 FrameOff

> Built a responsive image-based poll web app using **TypeScript**, **Vite**, and **React**, allowing users to create, share, vote, and view results
> Created **REST API** endpoints with **Node.js/Express**, leveraging **MongoDB** data models and **Multer** middleware for image uploads to **AWS S3**
> Designed user-friendly interfaces with **Figma**, **React.js**, and **TailwindCSS**, and prototyped with **Storybook**
> Improved state management and performance using **zustand**

🔗 AutoML

Google Student Developer Club:
> Evolved an automated machine learning platform enabling users to automatically generate tailored classification models with minimal ML knowledge
> Implemented a Minimum Viable Product (**MVP**) with a focus on a streamlined UI using **React** and **Next.js**, and model deployment via **FastAPI**
> Developed custom model training algorithms using **PyTorch**, addressing overfit challenges and optimizing for accuracy.
> Automated deployment and scalability with **Docker**, **Kubernetes**, and **Terraform** on Google Cloud infrastructure

🔗 ScoreBetBot

> Designed a web scraping script utilizing **Selenium** in Python to retrieve sports betting odds and team details through its functionality to navigate the website, locate elements via class name, and extract data
> Implemented **Tweepy** Python library to integrate with Twitter's API for automated tweet creation

☰ Experience

IT Intern   Sep. 2021 – Feb. 2022

Digital Fire   *Oakville, ON*

> Offer server/hardware support for businesses, encompassing new installations and existing infrastructures

→ Interests

Piano
> RCM grade 9
> Favorite Pieces: Nocturne in E-flat major, Waltz in C Minor, Prelude in E Minor, Clair de Lune

Powerlifting
> Member of McMaster Barbell: Squat - 395lb, Bench - 285lb, Deadlift - 485lb