Jeffrey Ye

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Summary of Qualifications

- Proficient in Python, Typescript, React, HTML/CSS, Java, Javascript, and Docker
- **Full-stack development** experience with React (TypeScript), Next.js, Node.js, and Express, building dynamic and interactive web applications. Paired with PostgreSQL and MongoDB, designing and managing structured and unstructured data for real-time applications
- **API development** using RESTful endpoints in Express, integrating third-party services such as OpenAI, Azure TTS, and webkitSpeechRecognition
- Experience deploying full-stack applications to production using Netlify, Render, custom domains (Porkbun), and containerized environments with **Docker**

Projects

MockMate (UofTHacks 12)   GitHub

- Created a full-stack web application web using **Next.js** and **PostgreSQL** to assist users with interview prep, providing real-time feedback on any topic
- Integrated OpenAI, Azure TTS, and webkitSpeechRecognition **APIs** to simulate key aspects of a real interview environment
- Collaborated in a team setting at UofTHacks, maintaining effective communication and task management to streamline workflow and prioritize key features

Wordle+   Link | Github

- Developed a full-stack web application using React.js (TypeScript) for the front-end and Node.js with Express for the back-end, utilizing **MongoDB** to store player statistics from various Wordle-style games
- Implemented stat tracking with **Express**, handling **API** routing and middleware to display a leaderboard for user performance
- Used **Docker** containers to set up a consistent development environment for the full-stack application, simplifying **dependency management** and **deployment**

Personal Website   Github

- Designed and developed a static website using React.js and CSS to showcase projects, skills, and experience
- **Deployed** a fully functional web application to production with a custom domain using Porkbun and Netlify
- Integrated a resume and portfolio, providing easy access to personal and professional work

Leadership Experience

Toronto Metropolitan University Computer Science Course Union
Dep VP Operations   Apr 2024 - Present

- Responded to and resolved issues, concerns, and inquiries from **50+** students
- Maintained background operations such with Notion, Google Calendar, and Discord servers to ensure a smooth connection of information between union members
- Assisted in the creation of **5+ TMU CSCU** events through reaching out to sponsors and organizing catering services

Toronto Metropolitan University Chinese Student Association
Events Associate   Apr 2024 - Present

- Created social events in partnership with **BarDemTO** such as our **Twilight Terror** and **Serpents Soiree** events
- Actively welcomed guests at events and created positive connections between association members and guests.
- Promoted club events to the student body resulting in **90%+** capacity sold in each event

Education

Toronto Metropolitan University, BS in Computer Science (Co-op)   Expected Apr 2028

- Data Structures (Lisp)