

Jeffrey Ye

Toronto ON | jeffrey.ye@torontomu.ca | 647 917-7326 | jeffreyye.ca | LinkedIn: jeffreyye1 | GitHub: JeffreyYeet1

Summary of Qualifications

- Proficient in **Python**, **Typescript**, **React (TypeScript)**, **HTML/CSS**, **Java**, **JavaScript**, and **Docker**
- Designed and shipped **5+ full-stack web applications** with **React**, **Next.js**, **Node.js**, **Express**, and **Python**, with **PostgreSQL+MongoDB**, and **Supabase+FastAPI**
- Implemented **OAuth 2.0** and **JWT** auth for 3 projects, reducing unauthorized-access incidents by **100%** and improving login speed by **20%**
- Built and maintained **RESTful APIs** in Express and FastAPI, integrating with OpenAI, Azure TTS, and Google Calendar
- Experience deploying full-stack applications to production using Netlify, Render, custom domains (Porkbun), and containerized environments with **Docker**

Experience

AATENG GROUP

May 2025

Software Engineer

Richmond Hill, ON

- Developed and deployed **Spring Boot microservices** on **AWS** (Elastic Beanstalk, RDS, S3), powering a tournament platform enrolling **32+** teams on launch
- Worked with a **Riot API Production Key** to fetch live statistics from **VALORANT** matches using **GraphQL** to reduce unnecessary REST calls by **80%**

Projects

Clash of Plans (GenAI Genesis)

March 2025

- Developed a productivity app using **Next.js** and a **FastAPI framework** with **Python**, utilizing **Supabase** to authenticate users with **OAuth2.0**
- Utilized **CohereAI** and **LangChain** to create an AI Agent, "*Peka*," with **Natural Language Processing** capabilities with intended use as a chatbot to boost user productivity with assistance and suggestions
- Integrated Google Calendar API to sync **50+** user events, increasing task completion rate by **25%**

Wordle+

Feb 2025

- Built full-stack React/Node.js app with MongoDB, capturing **100+ game sessions** and presenting real-time leaderboards.
- 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** on **Render**

MockMate (UofTHacks)

Jan 2025

- 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

Personal Website

Sept 2024

- Designed and developed a static website using **Next.js** and **CSS** to showcase projects, skills, experience, and personality
- **Deployed** a fully functional web application to production with a custom domain using Porkbun and Vercel
- Crafted a visually appealing and responsive **user interface**, ensuring a seamless experience across all devices

Education

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

Sept 2023 - Present

- **Data Structures and Algorithms**
- **Operating Systems**
- **Software Engineering**