

Kevin Yu

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Education

Queen's University

Sept 2020 – May 2024

B.A.Sc. in Computer Engineering, GPA: 3.6/4.3, Dean's List, Entrance Scholar (\$6000)

Work Experience

OpenJustice — Software Developer

Feb 2024 – Jan 2025

Next.JS, TypeScript, HTML, CSS, Azure, LangChain, Pinecone, Python, Selenium

- Rearchitected and developed a **RAG** AI-chatbot web application using **Next.JS**, **OpenAI**, and **Pinecone**
- Web scraped and vectorized 500+ law documents to implement RAG using **Python** and **Selenium**.
- Created **RESTful API** endpoints to stream RAG-generated **LLM** responses using **Next.JS** and **LangChain**
- Configured an **Azure VPS** hosting a **Flask** server to scrape website content into **Pinecone** for RAG

Distributive — Software Developer

Jan 2023 – Oct 2024

React, JavaScript, HTML, CSS, UI/UX, i18n, a11y

- Worked alongside the CTO to rearchitect **React** components, which improved code reusability
- Reported directly to the CEO about new built features, which attracted leads like Bell and Vector Institute
- Assisted in the **UI/UX** design of the frontend by enforcing style consistency and proper **HTML** semantics
- Added **i18n** and accessibility attributes to support language localization and conform to **a11y** standards

Smith School of Business — Software Consultant

June 2024 – Sept 2024

Next.JS, TypeScript, Zod, SQLite, Sequelize, Docker, Google Search API

- Built a privacy-focused, offline, **Next.JS** application to manage student profiles in an **SQLite** database.
- Used **React Hook Form** and **Zod** to allow professors to upload their class CSV files into the application
- Utilized **Google Search API** and **ProxyCurl** to find LinkedIn URLs and fetch public student information
- Recruited a developer and delegated workloads to Dockerize the application allowing for smooth deployment

PwC — Software Engineering Intern

May 2023 – Sept 2023

Angular, .NET6, MySQL, HTML, CSS

- Used **Angular** to help develop an internal file sharing web application that would be used by 7,800 employees
- Created dynamic email templates using **.NET6**, **HTML**, and **CSS** reducing manual email creation
- Implemented **Angular** form validation reducing the number of invalid payload requests to the backend
- Wrote pre-deployment **SQL** scripts to automatically update email templates whenever changes were made

Ivory OMS — Co-Founder, Chief Technology Officer

May 2022 – Sept 2022

React, Node.js, Firebase, Express, PM2, R-Pi

- Created a **React**-based order management system for four restaurants, reducing service time by **60%**
- Setup a real-time database listener with **Firebase** and a **R-Pi** to enable printing from a web interface
- Developed a **Node.js** script to send requests to a thermal printer, reducing order processing time by **98.3%**

Skills

Languages: TypeScript, JavaScript, HTML, CSS, SQL, C#, Python

Frameworks: Next.JS, React, Angular, .NET6, Drizzle, Sequelize, Flask, Zod, Shadcn/ui, LangChain

Developer Tools: Azure, GCP, Vercel, Netlify, Git, GitHub, GitLab, Pinecone, OpenAI API, Docker

Engineering: Design Patterns, DDD, Clean Architecture, Scrum, Testing

Databases: PostgreSQL, MySQL, SQLite

Testing: Playwright, Jest