Kevin Yu

yu.kevin2002@gmail.com | kevinyu.ca | Kevinyucode | LinkedIn | Devpost

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

- 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, Raspberry Pi

- Created an order management system, reducing customer service time by 60% using **React** and **Firebase**
- Configured a real-time database listener onto **Raspberry Pi** to send digital orders to the thermal printer
- Developed **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