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

- Designed 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**
- Deployed an **Azure VPS** running a **Flask** server to expose my automated vectorization pipeline to Pinecone

Distributive — Software Developer **Jan 2023 – Oct 2024**
React, JavaScript, HTML, CSS, UI/UX, i18n, a11y, Playwright

- Collaborated with the CTO to architect two **React** applications to organize code modularity and re-usability
- Presented my work directly to the CEO, helping him attract leads such as Bell, Nokia, and Vector Institute
- Contributed to **UI/UX** design by improving **HTML** semantics and writing automated **Playwright** tests
- Added **i18n** and **a11y** attributes to support language localization and accessibility 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, enabling smooth deployment

PwC — Software Engineering Intern **May 2023 – Sept 2023**
Angular, .NET6, MySQL, HTML, CSS

- Developed an internal file-sharing web application using **Angular**, serving 7,800 employees
- Created dynamic email templates using **.NET6, HTML,** and **CSS**, reducing manual email creation
- 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, Git

- Created a **React**-based order management system for four restaurants, reducing service time by **60%**
- Implemented error monitoring for printer failures using **Firebase**, improving error detection and debugging
- Developed a **Node.js** script on an **R-Pi** to print to a thermal printer, reducing order creation time by **98.3%**
- Adapted to evolving client requirements by using **Git's** cherry-pick command to select implemented features

Skills

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