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, Azure, LangChain, Pinecone, Python, Selenium, Web Security, JWT

- 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**
- Configured an **Azure** VPS and set up the cloud network to deliver HTTP traffic to a Flask server
- Implemented **JWT** authentication for APIs and web services to prevent unauthorized access to resources

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
- 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, Bash

- 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%**
- Developed **Bash** scripts to automatically build, update and deploy production releases of the software

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, Oracle, Netlify, Git, GitHub, Pinecone, OpenAI, Docker
Engineering: DDD, Clean Architecture, Dependency Injection, IoC, Scrum, Testing
Databases: PostgreSQL, MySQL, SQLite
Testing: Playwright, Jest