Kevin Yu

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EDUCATION

Queen's University   Sept 2020 – May 2024

B.S. Computer Engineering, GPA: 3.6/4.3

- Relevant Coursework: Cryptography, Computer Networks, Data Structures and Algorithms, Operating Systems, Computer Architecture, Computer Vision, Performance Analysis
- Achievements: Dean's Honors List, Entrance Scholar ($6000), First Place Team @HackTo

WORK EXPERIENCE

PwC | Software Engineering Intern   May 2023 – Sept 2023

Angular, .NET6, SQL Server, Azure DevOps, HTML, CSS, Figma

- Worked on an internal web application for file sharing used by **7800+ PWC employees and clients**
- Wrote **.NET business logic** to dynamically send and update email templates, improving mail automation by **100%**
- Implemented **Angular form validation logic** throughout frontend application, reducing invalid user entries
- Developed **Angular UI components** and implemented **filtering and sorting functionality** to improve user experience
- Developed **deployment SQL scripts** in **.NET** to update **SQL Server database**, increasing developer efficiency by **60%**

Distributive | Software Developer Intern (distributive.network, dcp.work**)**   Jan 2023 – Dec 2023

Next, TypeScript, Tailwind, Framer Motion, GitLab, Google Analytics

- Directed website development using **Agile methodologies** and led a team of 2 web developers to build the new website
- Developed custom **form validation logic** in **React** to specify parameters for a downloadable YAML configuration file
- Implemented **React Helmet** and **Google Analytics** to analyze website traffic and improve SEO results
- Developed web application in **Next** that implements Distributive's browser worker to showcase **distributive computing**
- Implemented custom **JavaScript event handlers** that display progress information about each distributed slice of work

Ivory OMS | Co-Founder, Chief Technology Officer (ivoryoms.web.app**)**   May 2022 – Sept 2022

Firebase, React, SASS, Node.js, Express, PM2, Linux, Raspberry Pi

- Developed a **React** web-based OMS system for processing customers' requests, increasing work efficiency by **~30%**
- Serviced 6+ clients, accumulating over **$12,000+ in revenue** through software development and web design
- Acquired **$13,000** accelerator funding from **Morrissette Accelerator** and the Ontario Summer Company Program
- Devised remote order processing with thermal printing using **Node.js**, resulting in enhanced order processing by **45%**
- Developed crash and error reports using **Firebase**, enhancing system stability and accelerating issue resolution

NomΛd (Acquired by WISH STR Enterprises) | Software Engineering Intern   May 2021 – Jan 2022

MongoDB, React, Node.js, AWS, GitHub   , Firebase

- Modified and updated **business logic** for the **cron job** to showcase popularity analytics for house listings on the site
- Implemented **authentication middleware** using **JWT** to persist user sessions on the admin dashboard, improving UX
- Added new house listing statistics by implementing new **CRUD** operations for the MongoDB, improving listing rankings

HACKATHONS

Minute Tutor | First Place Overall Winners (@ HackTo Sponsored by Amazon)   Sept 2022

React, Flask, Redux, SQL, Python, Tailwind CSS, Framer Motion

- Developed a tutor and student matching web application that aids in finding a qualified and convenient tutor online
- Developed the frontend UI and functionality in **React** using **Redux** to deal with **state management** across application

SKILLS

- **Languages:** JavaScript, TypeScript, HTML/CSS, Python, Java, C/C++, Assembly, Bash, SQL
- **Frameworks/Libraries:** Next, Angular, Vue, Node.js, Flask, Django, .NET, SASS, Tailwind, Bootstrap, Express, SQL Server, MongoDB, PyTorch,
- **Tools/Technologies:** AWS, GCP, Firebase, Git, Linux, Netlify, Vercel, Figma, Postman, Arduino