Kevin Yu

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EDUCATION

Queen's University   Sept 2020 – May 2024

BAS, Computer Engineering, GPA: 3.6/4.3

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

WORK EXPERIENCE

PwC | Software Engineering Intern   May 2023 – Sept 2023

Angular, .NET, 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 tailored emails to users, improving dynamic email customization
- Implemented **Angular form validation logic** to prevent incomplete form submissions, reducing invalid user entries
- Implemented **custom UI filtering and sorting** to sort and filter through complex table data improving user experience
- Wrote **deployment SQL scripts in .NET** to update existing email templates, reducing manual template entries by **100%**

Distributive | Software Developer (distributive.network, dcp.work)   Jan 2023 – May 2023

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

- Directed website development using **Agile methodologies** and led a team of 2 web developers throughout the project
- 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 a web application in **Next** that uses Distributive's Browser Worker to showcase **distributive computing**
- Wrote **JavaScript event handlers** to provide feedback about each distributed slice of work which improved website's UX

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

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

- Built a **React** web-based OMS system to process customers' orders digitally, improving employee efficiency by **~50%**
- 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 throughput by **45%**
- Added debugging reports using **Firebase**, reducing bug replication time and improving system monitoring analytics

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

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

- Updated the analytics **cron job** to store page visits in **MongoDB**, improving the accuracy of popular listings by **100%**
- Implemented **JWT** to allow user sessions on the Admin Dashboard to persist during each new page visit, improving UX
- Added **responsive design** for mobile devices allowing users to view web application on their phones, improving usability

HACKATHONS

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

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

- Developed a tutor and student matching web application that aids in finding a qualified and convenient tutor online
- Developed a user-intuitive interface using **React** and used API calls to the **Flask** backend to deal with user authentication

SKILLS

- **Languages:** JavaScript, TypeScript, HTML/CSS, Python, Java, C/C++, NIOS II, 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