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

NomAd (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