

# Kevin Yu

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## EDUCATION

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### 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

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### 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 **Morrisette 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

### NomAd (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

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### 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

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- **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