

# Amy Kang

Web & Software Development

☎ 416-400-7641

✉ amy.kang@uwaterloo.ca

🌐 /kang-amy in /kang-amy

🏠 amykang.ca

## Skills

Languages | JavaScript, Java, SQL, TypeScript, C#, HTML/CSS, Excel VBA

Technologies | React/Redux, SpringBoot, Node.js, Express, MongoDB, ASP.NET

Tooling | Git, Selenium WebDriver, Jest, Mockito, JUnit, Figma, Postman

## Experience

Waterloo, ON // Jan 2023 - Apr 2023

### Software Engineering Intern | OpenText

- Owned integration of user-facing packages and features in building a case management SaaS software
- Engineered **fullstack** customizable search features using **React/Redux**, **TypeScript**, **SpringBoot** and **Postgres**, introducing new UI search modal and database search operator, allowing users to filter through cases
- Reduced API response times up to **80%** by refactoring dynamically fetched reusable **React** components
- Led cross-organizational initiative of redesigning internal onboarding procedures and resources for new hires

Waterloo, ON // Jan 2023 - present

### Web Developer | Waterloo ↗

- Collaborated with a team of **10** engineers to build an internal applicant tracking system hosting **80+** users using **React**, **Express**, **Node** and **Postgres** for recruitment and analytics
- Built client-side integration to handle **Google Authentication API** workflow and authentication, persisting data to database using **Knex.js** and **Express**

Toronto, ON // May 2022 - Aug 2022

### Full-Stack Developer | Toronto District School Board

- Streamlined data storage of business vendors to improve user accessibility to database of over **200+** businesses by building CMS software module using **C#**, **ASP.NET** and **SQL**
- Reduced on-page login time by **40%** by developing **full stack** MVC code of vendor module, building **3** page views to provide **CRUD** functionality and user authentication ensuring AODA compliance
- Regulated public, internal, and school servers simultaneously for over **3000+** daily users

## Projects

### Check It! | 🌐/check-it

*React, Node.js, Express, MongoDB*

- Designed to-do web app with the **MERN stack**, implementing end-to-end CRUD functionalities to **MongoDB**
- Applied **React** states and hooks to process JSON objects, using **React Context** to manage state across pages
- Established routing and endpoints in **Express** to support database integration and error handling

### Web Scraper | 🌐/web-scraper

*Node.js, Express, Javascript*

- Developed web scraper using **JavaScript**, **Node.js** and **Express** to filter and display data from user input

## Education

Sep 2021 – present

### University of Waterloo | GPA: 87.4%

- Candidate for B.A.Sc in **Management Engineering**