

# Amy Kang

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## Skills

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**Languages:** JavaScript, C#, Java, HTML, CSS, Excel VBA

**Web & Tooling:** React, Node.js, Express, Axios, SQL, ASP.NET, DNN, Git

## Experience

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### Toronto District School Board Web Developer

Toronto, ON

ASP.NET, C#, SQL, DNN

May 2022 - Aug. 2022

- Developed **DNN software module** using **ASP.NET, C#** and **SQL** for the business development team in tracking and listing school certified vendors
- Coordinated **product design** based on client needs and specifications, **AODA compliance**, and product quality and delivery
- Maintained public, internal, and school websites using content management system **DNN** for **over 1000+ daily users** and **10+ daily tickets**

## Projects

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### Pokedex Web Application

REACT, JAVASCRIPT, AXIOS

- Utilized **React components and hooks, useState and useEffect**, in designing site for displaying collections of pokemon
- Implemented PokeAPI's **REST API** using **Axios** to fetch and display pokemon data
- Applied **React's state management** to include **pagination** and **page loading**

### News Site Web Scraper

NODE.JS, EXPRESS, AXIOS

- Designed web scraper using **Node.js** and **Express** to filter and display news article titles and urls from news site
- Implemented HTTP requests from **JavaScript front-end** using **Node.js back-end, Express routing** and **Axios**
- Employed **asynchronous JavaScript functions** in receiving, parsing and displaying back-end data

### Interactive Weather App

JAVASCRIPT, CSS, HTML

- Implemented OpenWeatherMap's **REST API** using **fetch** to parse and request weather data to send information to client-side web application
- Designed an **interactive web application** using **JavaScript, CSS** and **HTML** to show weather conditions and temperatures from the user's geolocation

### Candy Crush

JAVASCRIPT, CSS, HTML

- Designed and implemented candy grid and components using **HTML** and **CSS** to include **drag and drop usability** to create a user-friendly interface
- Applied built-in **JavaScript event handling functions** to manage user input events allowing the user to move candies and make valid matches
- Employed **object oriented programming principles** including **encapsulation** to perform game features such as moving candies down after matching and randomly generating new candies

### Product Management Decision Support System

EXCEL, VBA

- Developed a time management software utilizing **VBA** to track and provide analysis on study and sleep patterns for university students
- Implemented dynamic **pivot tables** and automated **data analysis** using **Excel** and **VBA** in data processing and collection
- Designed interactive user interface using **Excel VBA userforms, buttons, and macros** to assist user interaction within the software

## Education

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### University of Waterloo

Waterloo, ON

**GPA: 3.8/4.0, CUMULATIVE AVG.: 87%**

Sep 2021 - anticipated grad. Apr 2026

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