

# Carmen Ma

Frontend Developer | React • TypeScript • JavaScript

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Frontend developer building responsive, user-focused web applications with React and TypeScript. 6+ years professional graphic design experience. I recently returned from a 4-year international travel career break and retrained in modern frontend development during this period. Having a strong visual design background enables me to create interfaces that are both functional and aesthetically polished.

## PROJECTS

### Streaming Website

[Live Demo](#) [GitHub](#)

*Full-stack platform for browsing live animal camera feeds*

Frontend built with React, TypeScript, React Router for multi-page navigation, and CSS Modules for styling. Backend uses Python web scraping with BeautifulSoup to aggregate YouTube live streams, Bun server with SQLite database for data persistence. Worked with scraped data to build and maintain a list of streams, handling a mix of live and non-live sources. Implemented data validation, error handling, and efficient routing for multi-stream browsing. Deployed via Google Cloud.

### Pokedex

[Live Demo](#) [GitHub](#)

*Interactive web application displaying comprehensive Pokémon data*

Built with React and TypeScript, integrating PokéAPI with optimized API call patterns. Features type-based filtering, modal navigation, evolution chains, and detailed stat displays. Implemented Zustand state management for performant data caching and reduced API calls. Responsive design with type-based color theming and accessibility considerations. Deployed via GitHub Pages with CI/CD pipeline.

## TECHNICAL SKILLS

### Languages:

JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, SQL

### Frontend:

React, React Router, Zustand

### Styling:

CSS Modules, Tailwind CSS, Bulma, Bootstrap, Responsive Design

### Tools:

Git/GitHub, Zed, Bun/npm, Figma

### Design:

UI/UX Design, Typography, Adobe Creative Suite, Affinity Suite

### Other:

RESTful APIs, Web Scraping (Beautiful Soup), Google Cloud, GitHub Pages

## PROFESSIONAL EXPERIENCE

### BC Lottery Corporation

Vancouver, Canada | Oct 2019 – Feb 2021

*Graphic Designer*

Created corporate graphics for 10+ departments; streamlined internal print processes reducing costs through stakeholder collaboration; created documentation and guides for print processes and machinery operation.

### Terry Trophy & Awards

Kamloops, Canada | Mar 2018 – Feb 2019

*Graphic Designer*

Designed marketing materials and led internal training workshops; strengthened client relationships resulting in 20% increased sales opportunities.

### Stitches Creation

Burnaby, Canada | Oct 2015 – Feb 2017

*Lead Graphic Coordinator*

Managed 20+ accounts (\$350K+ annual revenue); developed template library improving mockup turnaround efficiency; conducted training sessions on image requirements, best practices and techniques.

## EDUCATION

### British Columbia Institute of Technology | Burnaby, Canada

Graphic Design - Associate Certificate | 2014 – 2015