

Carmen Ma

Frontend Developer | React • TypeScript • JavaScript

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Frontend developer building responsive, user-focused web applications with React and TypeScript. 4+ 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 Beautiful Soup 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 Hooks, React Router, Zustand

Styling:

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

Tools:

Git/GitHub, Zed, Bun/npm, Chrome DevTools, 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