

Ellis Chang

Full-Stack Web Developer

[LinkedIn](#) – 514-710-1851 – ellischang99@gmail.com – [GitHub](#)

Skills

JavaScript | C# | PHP | SQL | HTML | CSS | APIs | NodeJS | Express | MongoDB | Git | React |
Figma | Kanban | AI Research | Scrum | Full-Stack

PROJECTS

Travel Journal | [GitHub](#)

Journal web application with Create, Read, Update, and Delete functionality

- Developed a travel journal web application using C# and the .NET framework, utilizing the MVC architecture to connect the backend with the frontend.
- Designed and implemented a database schema using multiple tables, including a destination table, a companion table (with names of accompanied friends/family on the trip), and a ratings table.
- Normalized many-to-many relationships between the destination and companion tables, allowing for easy storage and retrieval of trip companion data.
- Normalized a one-to-many relationship between the ratings and destinations tables, enabling users to rate multiple trips and easily view trip ratings.

Recipe Generator | [GitHub](#)

Search food and get inspired with recommended dishes

- Developed a recipe recommendation website that generates recipes based on user input of one or more food ingredients
- Utilized the Edamam API to obtain recipe data for recommendations
- Integrated the YouTube API to recommend 5 YouTube videos for each dish
- Implemented the website using Node.js, Express, and Pug

Pokémon Card Shop [GitHub](#)

Mock Pokémon card website displaying products for sale

- Developed a NodeJS website using Express with a home, about and products page
- Created a MongoDB database to store product information such as images, card names, and pricing data
- Designed and implemented a user-friendly interface using Pug templates

Weather Station | [GitHub](#)

Real-time weather app using REST-API

- Developed a single-page web application using HTML, CSS, and JavaScript that displays real-time weather data for two cities
- Utilized the Open Weather Map API to retrieve weather data for the selected cities, including temperature, weather conditions, and wind speed
- Implemented dynamic rendering of weather data based on user input, allowing for easy switching between cities

Pokémon Animation Game | [GitHub](#)

An interactive webpage where the user can choose a starter Pokémon

- Leveraged CSS animation properties such as keyframes, transforms and transitions
- Utilized JavaScript to enhance animations and create interactive user experiences, such as triggering animations on user input

EDUCATION

Web Development Certificate

09/2022 – Present

Humber College, Toronto, Ont.

- Proficient in frontend and backend coding languages to develop dynamic and interactive websites and web applications
- Knowledgeable in APIs and how to integrate them into websites to retrieve and display data from different sources
- Skilled in designing web applications by creating mock-ups and wireframes using Figma
- Experienced in Scrum, Trello, and Kanban for project collaboration in a group setting

Psychology Certificate

09/2020 – 04/2021

Ryerson University, Toronto, Ont.

- Course work: child development, positive psychology, abnormal psychology, clinical psychology, drugs, and human behavior

Bachelor of Science in Neuroscience and Physiology

09/2015 – 04/2019

University of Toronto, Toronto, Ont. (Graduated with High Distinction)

- Course work: Advanced Physiology Laboratory, Advanced topics in Mammalian Physiology, Neurobiology of Behavior

EXPERIENCE

Instructor Therapist

05/2021 – 05/2022

AIM Pediatric Therapy, Brampton, Canada

- Utilized Applied Behavior Analysis and Natural Environment Training when treating children with Autism
- Developed treatment plans of client therapy teaching programs
- Responsible for the write up of daily patient progress reports
- Accountable for communicating therapy progress to parents of patients

Artificial Intelligence Cardiology Research Assistant

09/2019 – 06/2020

Toronto General Hospital, Toronto, Canada

- Part of a team of medical professionals creating an AI system to predict future incidences of heart failure
- Conducted in-person interviews and online questionnaires with study patients
- Responsible for reviewing patient charts to screen for eligibility into study
- Recruited study participants and obtained consent
- Proficiency with the TGH Electronic Patient Record database for blood sample orders and collection of patient data for chart abstraction