

M/C

MIKE CHOI

SOFTWARE DEVELOPER

CONTACT



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github/mikec-git

SKILLS

FRONTEND

- React / Redux / JavaScript
- HTML / Sass / CSS
- Jest / React Testing Library
- jQuery / Bootstrap
- GreenSock / three.js

BACKEND

- C# / ASP.NET Core
- Entity Framework Core
- Node.js / Express.js
- XUnit / SQL Server
- MongoDB / Mongoose
- Python / Matlab

TECH

- Google Cloud Platform
- Firebase / Heroku
- Docker / Kubernetes
- Webpack / Babel / NGINX
- Git / GitHub
- Photoshop / Illustrator

EDUCATION

Queen's University
B.ASc - Engineering Physics '18

LATEST PROJECTS

Portfolio Website

React / Redux / ASP.NET Core / Docker / K8s

Visit Project: <https://www.mikechoi.dev>

Visit Code: <https://github.com/mikec-git/React-Portfolio-Site-Public>

- Built an engaging platform with a unique UI/UX to showcase my best work
- Developed frontend with React/Redux/Redux Saga; managed complex animations and WebGL using GSAP/three.js
- Used my SendMail API to have a validated and functional contact form
- Dockerized and deployed to a Kubernetes cluster with an NGINX ingress controller to load balance and reverse proxy
- Unit and integration tested frontend using Jest/React Testing Library; unit tested backend with XUnit

FILM BASE

React / Redux / Redux Saga / Sass / TMDB API / YouTube

Visit Project: <https://www.filmbase.xyz>

Visit Code: <https://github.com/mikec-git/FilmBase-React-App>

- Created a film/TV app where users can browse trailers and info on their favourite movies, shows, or film personalities
- Developed with React/Redux/Redux Saga and Sass
- Integrated TheMovieDB API for up-to-date film data, and the YouTube API for embedding the YouTube player
- Guest and user account authentication using OAuth 2

YelpCamp

Node.js / Express.js / MongoDB / Bootstrap / Mapbox API

Visit Project: <https://yelpcampnodeapp.herokuapp.com>

Visit Code: <https://github.com/mikec-git/YelpCamp>

- Created a Yelp-like, crowd-sourced local campground review source
- Built frontend with HTML/CSS/Bootstrap; backend with Node/Express/Mongo
- Integrated local authentication using Passport.js and campsite location mapping using the Mapbox API

SendMail API

ASP.NET Core / Entity Framework Core / SQL Server

Visit Code: <https://github.com/mikec-git/SendMail-API>

- Built an email-sending microservice using ASP.NET Core/EF Core/MailKit
- Used repository pattern; interfaced with an underlying SQL Server database
- Configured custom HTML template; forwards confirmation email to sender

WORK

IRON BOWL - '17

- Server / Busser

Asahi Sushi - '15/'16

- Server / Busser

VOLUNTEER

Python Tutor - '18

QHacks Hackathon - '18

- Hardware manager & general staff

Hyde Creek Rec Centre - '14

- Aquatic Instructor (Canadian Red Cross)