Ryan Carpus

Full Stack Web Application Developer

Portfolio: https://ryancarpus.com/
Phone: 734-216-1735
Email: ryancarpus@gmail.com
Location: Ann Arbor, Michigan

Programming Tools

- JavaScript
  - React.JS
  - Next.JS
  - Express.JS
  - React Native
  - Node.JS
  - jQuery
- Python
  - Django
  - Numpy
  - Pandas
- Databases
  - MongoDB
  - SQL
- Content Management Services
  - WordPress
  - Contentful
- Twilio
- Google Analytics 4
- Google Tag Manager

Education

CareerFoundry, FullStack Immersion, February 2022

Intensive full-stack project-based web development training program using the MERN stack (Mongo, Express, React, Node)

University of Michigan

Master of Science in Engineering in Civil and Environmental Engineering, December 2017

Bachelor of Science in Engineering in Civil and Environmental Engineering, December 2016

Professional Experience

Web Applications Developer, Michigan Medicine, Ann Arbor, Michigan, 3/2022—Now

- Migrated an existing website, mct2d.org, for a CQI group from SquareSpace to Netlify using Next.JS framework with Contentful as a headless CMS, improving mobile responsiveness, reducing page load times, adding additional functionality, and streamlining the workflow for content authors.

- Designed, developed, and deployed an automated reporting system to generate and deliver Twilio messaging and Google analytics reports to stakeholders on a weekly basis, providing new business insights and eliminating the need to manually create reports.

- Designed new web-based tools in collaboration with care providers and graphic designers using Next.JS and Contentful, enabling doctors and patients to easily share tobacco cessation resources via web, text, or email.

- Built out interactive, mobile friendly web pages using JavaScript and React from Figma designs provided by the design team.

- Developed a data processing pipeline using Python with Pandas and SQL scripts to clean and restructure data collected from a 3rd party API and import into a MySQL database.

- Planned and built a new administrative task system using Python with Django using a MySQL database backend that administers and tracks value-based-reimbursement tasks for over 300 medical practices.

Staff geotechnical engineer, G2 Consulting Group, Ann Arbor, Michigan, 1/2018-10/2021

- Conducted geotechnical investigations, analysis, and evaluations for various infrastructure projects including buildings, bridges, and roads.

- Prepared geotechnical reports and recommendations for design and construction.

- Collaborated with clients, contractors, and other project stakeholders to ensure project objectives were met on time and within budget.

- Mentored and trained junior engineers in geotechnical engineering principles and practices.