

David Chan

Toronto, Ontario, Canada

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Skills

Languages Javascript, Python, Java, C, C++, Bash, Common Lisp
Technical React, Redux, Chakra UI, Tailwind CSS, Axios, Node.js, HTML5, Git, CSS, Bootstrap
Interests Full Stack Development, UI Design, Machine Learning, Competitive Programming

Experience

Undergraduate Research Assistant

Ryerson University

WEBMOTI

May. 2021 - Ongoing

- Designed an accessible UI to provide an enhanced social, learning, and sensory environment for neurodiverse children using Figma with peers.
- Utilized React.js to create clean and reusable components for the UI and Redux.js to manage and centralize application state through the app.
- Enhanced visual experience using Chakra UI by providing web responsiveness and accessibility to users while keeping simplicity within code.
- Learned proper software engineering principles such as proper version control using Github and tracking progress by using a Kanban board.

Home Renovation

Toronto, Ontario

SUMMER JOB

Jun. 2016 - Sept. 2020

- Learned various renovation practices such as installing drywall, tiling, painting, and floor boarding to properly handle any renovation request.
- Worked together as a team with co-workers to finish jobs quickly and acted as a translator to communicate the needs of clients to co-workers.

Projects

don't think, just do.

Site

FULL STACK IMAGE BOARD

Github

- Designed message models, controllers, and routes for the RESTful API and MongoDB server to communicate with and handle HTTPS requests.
- Set up the MongoDB server to receive collections of data and utilized middleware to establish a connection between the RESTful API and server.
- Created and rendered components to properly display the message form and messages using React.js and designed site to become responsive.
- Deployed back end API on Heroku which used dynos to connect to MongoDB and front end on Netlify which ran a production build from Github.

Lover's Embrace

Site

MOCK E-COMMERCE FLOWER SHOP

Github

- Designed functions for the Commerce.js and Stripe API to communicate with and implemented the use of various npm packages for simplicity.
- Created routes and rendered components to properly display correct pages when processing through the home page, cart, and checkout form.
- Expressed intermediate knowledge and concepts such as passing props, async functions, object destructuring, and hooks such as useContext.
- Deployed front end on Netlify which ran a production build from github and designed site to be responsive using the Material-UI framework.

Education

Ryerson University

Toronto, Canada

B.S. IN COMPUTER SCIENCE

Sept. 2019 - December 2023

- Relevant Courses: Python, Java, C and Unix, Data Structures, Discrete Math, Algebra, Operating Systems, Intro to Software Engineering

FreeCodeCamp

Online

SELF LEARNING

Sept. 2019 - Ongoing

- Responsive Web Design, Javascript Algorithms and Data Structures, Front End Development, Back End Development and APIs, Machine Learning

Extracurricular

Ryerson Competitive Programming

MEMBER

- Grasped different data structures such as arrays, linked lists, hash maps, binary trees, graphs to understand and produce efficient algorithms.
- Learned and implemented different algorithms into solving complex coding problems to improve coding, technical, and critical thinking skills.

Ryerson Barbell Club

MEMBER

- Gained expertise in different training practices, exercises, anatomy and injury prevention to constantly improve and learn every week.