

# David Chan

Toronto, Ontario, Canada

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## Projects

### don't think, just do.

[Site](#)

#### FULL STACK IMAGE BOARD

[Github](#)

- Designed message models, controllers, and routes for the API and server to communicate with.
- Set up MongoDB to receive collections of data and utilized middleware to establish a connection between API and server.
- Implemented RESTful API server to deal with any HTTP requests.
- Created and rendered components to properly display message form and messages using React.js.
- Deployed back end API onto Heroku which used dynos to start up the script that connects to MongoDB
- Deployed front end on Netlify which ran a production build from github.
- Designed site to become scalable for mobile users.

### Lover's Embrace

[Site](#)

#### MOCK E-COMMERCE FLOWER SHOP

[Github](#)

- Designed routes for the Commerce.js and Stripe API to communicate with.
- Created and rendered components to properly display correct pages when processing the home page, cart, and checkout form.
- Implemented the use of various npm packages such as react-hook-form and react-router-dom.
- Expressed intermediate knowledge of async functions, hooks, and object destructuring
- Deployed front end on Netlify which ran a production build from github.
- Designed site to become scalable for mobile users through Material-UI framework.

## Skills

**Back-end** Express, MongoDB, MySQL, REST API

**Front-end** React, Redux, Axios, HTML5, CSS, Bootstrap

**Programming** Java, JavaScript, Node.js, Python

**Languages** English, Cantonese

## Education

### Ryerson University

[Toronto, Canada](#)

#### B.S. IN MATHEMATICS AND ITS APPLICATIONS

[Mar. 2019 - Aug. 2023](#)

- Specialization in Computer Science Option

### FreeCodeCamp

[Online](#)

#### RESPONSIVE WEB DESIGN, JAVASCRIPT ALGORITHMS, DATA STRUCTURES, APIS

[Mar. 2019 - Ongoing](#)

- Completed the listed courses with intention on completing Machine Learning

## Extracurricular

### Ryerson Competitive Programming

#### MEMBER

- Grasped different data structures such as arrays, linked lists, hash maps, binary trees
- Implemented algorithms into solving complex problems

### Ryerson Barbell Club

#### MEMBER

- Gained expertise in different training practices, body structures and injury prevention.
- Set healthy goals every week to reach further heights

## Employment

### Home Renovation

[Toronto, Ontario, Canada](#)

#### SUMMER JOB

[Jun. 2016 - Sept. 2020](#)

- Worked in up to teams of 5 to renovate basements, bathrooms, etc.
- Communicated and responded to needs of clients