

Mingzhou Dong

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Summary:

McGill Major Computer Science graduate with one year experience in MERN stack development. I am a self-driven person who can deliver strong programming, communication, and analytical skills within the development team.

Skills:

Web Application Framework/Database: HTML, CSS, SCSS, Javascript, React, React-hooks, Redux, Bootstrap, REST-API, Expressjs, socket.io, JWT, bcrypt, socket.io, MongoDB, mongoose, MySQL, DB2.

Programming Language: Java, C/C++, Python, Ocaml.

Version Control/Deployment/Environment: Git, Heroku, Firebase.

Experience:

Design and build personal website for journalist [Mr. Morgan Percher](#) [Git-repo](#)

May, 2021

- Mobile first, animated and responsive dual language **one page parallax scrolling** website by React, SCSS, and i18next.
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Personal Projects:

e-commerce shopping site: [Video Demo](#) Site: [MERN](#) git-front-end: [React](#) git-back-end [express](#)

Please wait the server to start, as Heroku free hosting will idle after 30 minutes of inactivity.

A shopping site that allows customers to view, search, order products(MERN+Stripe).

- Developed backend application Expressjs with RESTful APIs to handle HTTP requests and responses
- Front-end using React and implemented {useReducer+useContext} for state management
- Used MongoDB database to store products and users' information by mongoose
- JWT and bcrypt for Internet security

Messenger clone: [Video Demo](#) Site: [MERN](#) git-front-end: [chatappreact](#) git-back-end: [chatappexpress](#)

Instant messaging between two users(MERN + socket.io).

- Developed backend application Expressjs with RESTful APIs to handle HTTP requests and responses
- Developed socket.io for real-time, bidirectional and event-based communication.
- Front-end using React and implement redux for state management.
- Used MongoDB database to store user chat history by mongoose

Personal web site: [Reactjs](#) git: [URL](#)

- Developed responsive personal website by SCSS, React-Scroll, AOS and CSS transition/animation.
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Education:

McGill University

CGPA 3.44/4.0 Sept 2017 - May 2021

Bachelor of Science in Major Computer Science. Completed course in OOP, data structure, algorithms, web, Machine Learning, OS.

[Transcript](#)