

Mingzhou Dong

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Website: [Dongmz1](#) Github: <https://github.com/Dongmz1>

Technical Skills:

Web Application Framework/Database: **HTML, CSS, SCSS, Javascript, TypeScript for React, 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**.

Project management/**Unit-testing**: **agile, Mocha, Chai, Jest**.

Education:

Mcgill University

CGPA 3.44/4.0 Sept 2017 - May 2021 [Transcript](#)

- Bachelor of Science in Major Computer Science
- Web Development (85%); Applied Machine Learning(89%); Operating System(79%), Theory of Computation(83%);

Udemy(BootCamp)

Sept 2020 - now

- Complete courses in Modern React with Redux(estimate 200hours); Advanced CSS and Sass(estimate 50hours); Creative advanced CSS animation(estimate 50hours);The MERN Fullstack guide(estimate 200hours); The Complete Developers Guild to MongoDB(estimate 50hours).
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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
 - Applied **Agile Project Management Principle**
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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**
- **Unit testing** with **Mocha and Chai** for backend
- 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

Game of Andor(java): [Git](#)

- Developed multi-player real-time 2D graphic game by java and minueto
- Employed networking features that allow users to create, join, play, save, and load a game and play along with other online users
- Implemented server-side and game logics in Java and serialized Java objects