

Mingzhou Dong

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Website: [Dongmz1](https://dongmz1.github.io) Github: <https://github.com/DongMZ1> I'm a front-end developer with a passion for building tools and working with the latest technologies to develop applications

Skills:

Web Application Framework/Database: **HTML, CSS, SCSS, Javascript, TypeScript, React, Redux, Bootstrap, REST-API, Expressjs, Socket.IO, JWT**(JSON Web Token), **bcrypt, Socket.io, MongoDB, mongoose, MySQL, DB2, Cross Browser Compatibility.**

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

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

Project management/**Unit-testing: Trello, Agile, Mocha, Enzyme, Chai, Jest.**

Education:

McGill University

CGPA 3.44/4.0(**top 20%**) Sept 2017 - May 2021

- Bachelor of Science in **Major Computer Science**
- **Web Development (95%)**; Applied Machine Learning(89%); Operating System(79%), Theory of Computation(83%);

Certification

- Modern React with Redux, Advanced CSS and Sass, Creative advanced CSS animation, The MERN Fullstack guide, The Complete Developers Guild to MongoDB;
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Experience:

Front-End Developer (Full-time Internship at Leapgrad)

June, 2021 - Aug, 2021

- Implement **production level code** for **important new features/components**(employer QA section and followers etc) which were cross compatible across all platforms on a **large-scale web-based applications**(leapgrad.com) by reactjs based on **Figma**
- Worked on **An Agile (Scrum) Development Team** to deliver regular updates to business team and project managers by **Trello**
- Handle **Cross Browser Compatibility** issues in Chrome, Safari and Firefox by **CrossBrowserTesting**
- Maintained states in the stores and dispatched the async actions (**RESTful APIs**) using **Redux, Redux-Thunk.**
- **Refactor** Class based components into functional component and hooks.
- Debug existing code by **redux-dev-tool, react-dev-tools** and network monitoring.

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, react-transition-group** and **i18next**
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Personal Projects:

Activity-feed: [video Demo](#) [git-repo](#)

A mobile app challenging that allow users to archive a call, get call's detail (React + SCSS) finished with 6 hours

- Consume restful apis with react functional components and hooks
- **SCSS** and **react-transition-groups** for UI

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
- **Unit testing** with **Mocha and Chai** for backend
- 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