

Maosen Chen

Web Developer, Software Engineer

Projects

Live | Github **maosen-chen.me**.

- My personal portfolio website (HTML, Sass, JavaScript, jQuery, Webpack, Photoshop).
- Implemented typing animation and interactive user interface using **JavaScript** and **jQuery**.
 - Wrote modular CSS following **BEM** methodology.
 - Responsive web design using media queries.
 - Configured Nginx web server with SSL certificate to host the site.

Live | Github **Voting App**.

- Online voting platform that enables authenticated users to vote and create their own polls (React, Redux, Node.js, Express.js, MongoDB, D3.js, Webpack, Babel).
- Developed back-end **REST API** using **Node.js** and **Express.js**.
 - Designed **MongoDB** database schema to model user and voting data.
 - Built front-end user interface using **React** and **Semantic UI**.
 - Visualized poll data using **D3.js**.
 - Implemented server-side rendering for faster page display and better SEO.

Live | Github **Tic Tac Toe Game**.

- Minimalist Tic Tac Toe game with unbeatable AI (HTML, CSS, JavaScript).
- Animated user interface using **JavaScript** and **CSS**.
 - Developed unbeaten AI by implementing min-max algorithm.

Live | Github **Pomodoro Clock**.

- Pomodoro style time management tool (HTML, CSS, JavaScript, jQuery).
- Interactive user interface using **CSS** and **JavaScript**.
 - Implemented water fill animation using **jQuery**.

Live | Github **Random Quote Machine**.

- Random quote generator (HTML, CSS, JavaScript).
- Fetched quote data from external API using **AJAX** request.
 - Integrated Twitter Web Intents to enable users to tweet out quotes.

Education

2015-2017 **M.Eng in Electrical and Computer Engineering**, *University of Toronto*, Toronto, ON.
Related Courses: Algorithms and Data Structures, Design Trade-offs in Digital Systems

2011-2015 **B.Eng in Electrical and Electronics Engineering**, *The University of Manchester*, Manchester, UK.
Conducted a project with other 4 fellow students to build a micro-controller based autonomous line following robot

Technical Skills

Languages, JavaScript (ES6, ES5), HTML, CSS, Sass, Java (Course Experience).

Front-end Development, React, Redux, jQuery, Bootstrap, Semantic UI, D3.js, Webpack.

Back-end Development, Node.js, Express.js, MongoDB, Nginx.

Tools, Git Version Control, Chrome Developer Tools, Vim, Photoshop, Google Analytics.

Toronto – ON

☎ +1(416)8774617 • ✉ maosen.chen@mail.utoronto.ca • 🌐 maosen-chen.me