

JinLin Cen

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PROFESSIONAL PROFILE

- Experienced in web and game development from ground up – design, development, unit testing, delivery, and maintenance.
- Skilled full-stack developer with the use of MERN stack.

TECHNICAL SKILLS

- **Computer Language Skills:** JavaScript, Java, C++, C, Python, HTML, CSS, XML, EJS, MATLAB, Verilog
- **Frameworks/Libraries:** Express.js, React.js, Redux, WebRTC, Socket.io, React-Bootstrap, React Spring, Material UI, Mongoose, Validator.js, Chart.js, Peer.js, React Router, Bootstrap, node.bcrypt.js, jwt-decode, morgan,
- **Database/SW Tools:** MongoDB, Node.js, Postman, Heroku, Google Analytics, Git, Namecheap, Passport.js, body-parser, CORS, Rebrandly, Datamuse API, Axios, SendGrid API, nodemon

EXPERIENCE

To-do App Full-stack Developer

June 2020 – August 2020

www.listnotes.me | www.github.com/simoncen/todo-app

Trello-like mini to-do list full stack web application that helps hundreds of users manage their daily tasks.

- Developed the **React**-built frontend with components from **Material-UI** and manipulated states with **React-Redux**.
- Used **passport-jwt** to carry out the authorization and authentication process.
- Developed **Rest APIs** with **Express.js** and tested them with **Postman**.
- Engineered the database with **MongoDB** to manage user's to-do lists' data.
- Utilized **Mongoose** library for **Node.js** to access MongoDB.

Covid-19 Tracker App Front-end Developer

Dec. 2020 – Jan. 2021

www.cvirustracker.tech | www.github.com/simoncen/Covid-19-Tracker

Coronavirus tracking web application that collects data regarding to infected, deaths, and recovered cases from all countries and presents them to users through graphics and numbers.

- Built the frontend using **React** along with components from **Material-UI**.
- Designed graphics and animation with **Chart.js** and **react-count-up**.
- Fetched data from <https://covid19.mathdro.id/api> with **axios**.

Portfolio Website Full-stack Developer

Nov. 2020 – Dec. 2020

www.simoncen.ca

Personal portfolio website that allows visitors to view owner's experience through the presentation of cards and to interact with the owner through email.

- Designed the frontend using **React** with components from **React-Bootstrap**.
- Added animation using **react-spring** and routing system with **react-router**.
- Used **Express.js** and **Node.js** in the backend for developing **REST APIs** to extract email messages to the server.
- Utilized **SendGrid** to send back the messages to the owner.

Smile Video Chat App Full-stack Developer

Jan. 2021 – present

Zoom-like mini video chat web app that allows users to video chat with whoever they want.

- Developed the front-end using **EJS** templating language with embedded **JavaScript**.
- Utilized **Express.js** and **Socket.io** in the backend to develop communication between the servers.
- Created unique room numbers for users to chat in a specific room using **uuid**.
- Used **PeerJS** to establish the connection between clients in order to implement **WebRTC**.

EDUCATION

University of Toronto

Bachelor of Applied Science in Computer Engineering

Toronto, Canada

Expected Graduation: April 2024