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, MATLAB, Verilog
- **Frameworks/Libraries**: Express.js, React.js, Redux, React-Bootstrap, React Spring, Material UI, Mongoose, Validator.js, Chart.js, React Router, Bootstrap, node.bcrypt.js, jwt-decode, morgan, errorhandler
- **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.

Reversi Game Developer   Feb. 2020 – Mar. 2020
www.github.com/simoncen/Reversi-Game
Terminal-played game which allows users to select the chess color and the board dimension.
- Coded in **C language**.
- Applied the **Greedy Algorithm** which looked for the tile with the highest score to place at.
- Beat professor's "smarter" AI program on an 8 by 8 board in a best of two game: 49 vs 15 pieces, 36 vs 28 pieces.

EDUCATION

University of Toronto   **Toronto, Canada**
Bachelor of Applied Science in Computer Engineering   Expected Graduation: April 2024