Ziyong He

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SUMMARY

Full Stack Web Developer with background in Aerospace Engineering and lifelong dedication to learning. Performance-focused team player with supportive leadership skills. Effective at combining creativity with problem-solving skills to pursue product practicality and user-oriented product experience. Recently earned a Certificate in Full Stack Web Development from Carleton University with an emphasis on MERN stack skills.

TECHNICAL SKILLS

- HTML, CSS, Bootstrap, JavaScript, jQuery, Node.js, Express.js, Handlebars, React.js, MySQL, MongoDB, PWA, MVC, ORM, Sequelize, Jest, Postman, C++ and Python

APPLIED PROJECTS

BitGora - a marketplace for bitcoin users
- Wrote code across full MERN stack - front end, back end services, and data storage
- Implemented back-end web services - Node.js for Web API, Express framework, MongoDB data transfer & query, in addition with WebSocket to emit new messages and notification in real time
- Link: https://bitgora.herokuapp.com | Git Repo: https://github.com/ZiyongHe/bitGora

OOP General Hospital Database - basic hospital patient flow simulation
- Applied Node.js for Web API, Express framework, handlebars for UI layout, MySQL as database, Sequelize ORM for data transfer & query
- Designed and implemented user interface layout; enhanced user interface with Anime.js and CSS
- Link: https://project-team-2.herokuapp.com | Git Repo: https://github.com/ZiyongHe/oop-general-hospital

To-read List - book search and save
- Individual project using MERN stack solution, with additional Google Book API for search functionality
- Link: https://to-read-list.herokuapp.com | Git Repo: https://github.com/ZiyongHe/to-read-list

EXPERIENCE

E-commerce Enterpreneur   (2019.2 - Present)
Products : Acrylic Display Box | Floor Register   China - Canada
- Combined creativity with problem-solving initiatives to establish an international e-commerce business throughout the business development lifecycle - business plan, design, manufacture, import shipping, shopify store and advertisement campaign

Administrator   (2018.8-2019.1)
Ottawa Music Academy   Ottawa, Ontario
- Organizational tasks - scheduling appointments, managing documentation and payments
- Coordinated students and teacher availabilities; performed problem-solving for absences with short notice
- Handled queries and requests for information efficiently in person, or through emails or phone calls

Powerplant Engineer Assistant   (2017.7 - 2017.8)
Guangzhou Aircraft Maintenance Engineering Company   Guangzhou, China
- Applied advanced analytical techniques from GE90 Engine Condition Trend Monitoring to monitor P&W fleet engine data from China Southern Airlines
- Reported to engine maintenance department with detections of abnormal engine condition

EDUCATION

Certificate in Full Stack Web Development   (2020.8 - 2021.2)
Carleton University   Ottawa, Ontario
- A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, JQuery, Bootstrap, Node.js, MySQL, MongoDB, Express, Handlebars, MVC and React.js

Bachelor's Degree in Aerospace Engineering   (2014.9 - 2019.6)
Carleton University   Ottawa, Ontario
- An engineering program emphasizing the development of analytical, computational, and hands-on engineering and design skills related to the aerospace field