

HECHENG LI

Scarborough, Ontario

☎ +1 437 987 6326 | ✉ lihecheng93@gmail.com | 🌐 github.com/HechengLi

Skills

MY SKILLS

- Frontend - Vue.js, Vuex, React.js, Redux, Sass, Javascript, CSS, HTML
- Backend - Java, Spring, Node.js
- Tools - Webpack, Rollup, Nginx, Docker, Tomcat, MySQL, AWS
- Testing - Jest

Education

University of Waterloo

BACHELOR OF COMPUTER SCIENCE

Waterloo, Ontario

Jun. 2016

Experience

Accuenergy

FRONT-END DEVELOPER

Scarborough, Ontario

Dec. 2018 - Current

- **Project: Web Interface for IoT Devices**
- **Frontend:** Javascript, Vue.js, Vuex, Webpack, Jest
- **Summary**
Web application for data manipulation and display, graph view of data
- **Responsibilities**
 - Decreased loading time by 50% via gzip compression, removed unused css with purgcss, and setup cache
 - Document on code structure, component usage and test
 - Packaged duplicate codes into reusable components or library to increase reusability and testability
 - Setup schedule for develop and test period for each web application
- **Project: AcuStrap**
- **Frontend:** Javascript, Vue.js, Rollup, Jest
- **Summary**
A Vue.js component library wrapped around Bootstrap
- **Responsibilities**
 - Developed multiple components such as form component (ie. input, select, radio), table/list, buttons, popup that can be setup with different parameter to achieve desired result. Reducing bundle size, duplicated codes, and increasing testability and development speed
 - Write unit test for components and plugins to reduce the chance of bug occurring
 - Refactor old projects to use this library to keep a consistent theme and code format across all projects
 - Decreased project bundle size by over 50%, from 6 mb to 2.5 mb
- **Project: AcuMock**
- **Frontend:** Javascript, React, Redux
- **Backend:** Express.js, Docker
- **Summary**
A web application for setting up mock servers, used for frontend development without backend
- **Code** <https://github.com/HechengLi/AcuMock>, **Demo** <https://mock.shiros.dev>
- **Responsibilities**
 - Web UI to easily create and edit mock server api configuration, start and shut down mock servers
 - Backend server creates and manages mock servers, saves mock server configuration in file
 - Host on Amazon Lightsail via Docker

WinTaoTel Co.,Ltd

FULL-STACK WEB DEVELOPER

ShenZhen, China

Jan. 2017 - Dec. 2018

- **Project: Company HR Web Application**
- **Backend:** Spring, Spring MVC, MyBatis, MySQL, Tomcat, Docker. **Frontend:** HTML, CSS, Javascript, Vue.js, Webpack, Babel
- **Summary**
Tracks company employees information, handles employee request (ie. overtime, dayoff), sending test to employees under certain department/role, used by 10000+ company employees
- **Responsibilities**
 - Reformat project from old jsp+EasyUI stack to Vue.js
 - Developed plugin for handling form with multiple files, implemented method to add multiple files by parts and removing some unwanted file before submitting form, adding new files and removing files when editing existing files
 - Developed QR code login to allow user to login by scanning QR code with associated mobile application
 - Improved response time from mobile application by configuring Tomcat Thread Pool
- **Troubleshooting**
 - Solved problem with multiple users submitting form with the same id by using a new table to track datetime of previous submission and comparing with datetime of current submission