Ruxin Qu

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Github: https://github.com/RuxinQu | Portfolio: https://ruxinqu.com/

SUMMARY

Web Developer with a passion to write clean and maintainable code. A persistent problem-solver that is quickly adaptable. Currently in Full Stack Coding Bootcamp through University of Washington with a background M.S degree in computational chemistry.

SKILLS

Frontend: HTML, CSS, JQuery, JavaScript, Bootstrap, Luxon, Bulma, WebdriverIO, React
Backend: Node, MySQL, Sequelize, MongoDB, Mongoose, Express, Handlebars, Passport, Bcrypt, Mocha, Chai, OOP, REST APIs

PROJECTS

Wei Full |Repo:https://github.com/RuxinQu/wei-full | Deployed https://ruxinqu.github.io/wei-full/
Lead Developer
- This application helps users decide what to eat for dinner.
- It will provide users with nearby restaurants if they select 'Go out', and six recipe options if they choose 'Stay in'. I handled the communication with APIs.
- Tools/Languages: HTML, CSS, JavaScript, jQuery, Bulma, Google Maps API, Spoonacular API.

My Blog |Repo:https://github.com/RuxinQu/my-blog | Deployed https://my-blog-4001.herokuapp.com/
Lead Developer
- This application is a blog website where users can login/signup.
- It is built with a RESTful API so users can perform CRUD operations. I implement the entire application.
- Tools/Languages: JavaScript, Express.js, Handlebars.js, MySQL, Sequelize, Passport-Local, Bcrypt, Bootstrap, Node.js, Heroku.

Raining Cats and Dogs
|Repo:https://github.com/RuxinQu/Raining-Cats-and-Dogs | Deployed https://raining-dog.herokuapp.com/
Lead Developer
- This web application allows users to login/signup and leave their pets to the pre-seeded hotels
- It follows the MVC architecture.The authentication is built with passport-local strategy. I handled the handlebars and authentication in the front-end, controllers and feature/server tests in the back-end.
- Tools/Languages: JavaScript, Express.js, Handlebars.js, MySQL, Sequelize, Passport-Local, Bcrypt, Mocha, Chai, WebdriverIO, Node.js, Heroku.

PROFESSIONAL EXPERIENCE

FOXCONN   Jul 2021–Aug 2021
Material Analysis Engineer   Shenzhen, China

- Learned the production process, and common problems of the lens module production line.
- Used Excel to process lens module data to filter out the failed product data.
- Summarized 2 SFR failure analysis reports and reported them in the daily meeting.

JILIN ZHONGSHI ENVIRONMENTAL PROTECTION GROUP   Dec 2020–Janl 2021
Forensic Expertise Engineer Assistant (Internship)   Changchun, China
- Performed identification and assessment of ecological environment damage and learned the restoration plans of different pollutants.
- Assisted in the preparation of 2 cases of "Eco-environmental Damage Appraisal and Assessment Opinions" and organized 1 case of "Eco-environmental Damage Consultation Documents".

VOLUNTEER EXPERINCE

U-DISTRICT FOOD BANK   Jan 2022–May 2022
                                                           Seattle, WA
- Appropriately ration food donations to customers according to shopping lists, while monitoring shelf inventory.
- Improved the Chinese translation of the customer order forms. Total volunteer time is 35.49 hours.

AIESEC   Jul 2019–Aug 2019
                                                         Kuching, Malaysia
- Participated in the Sustainable Development Goals Quality Education in Kuching, Malaysia.
- Work with 20+ volunteers and planned and organized more than 20 days of teaching activities and a speech contest.

EDUCATION

University of Washington—Certificate in Full Stack Web Development(Online)
                                              Seattle, WA Aug 2022–Feb 2023
Jilin University—Master of Computational Chemistry
                                                Changchun, China 2018–2021
Jilin University—Bachelor of Material Chemistry
                                                Changchun, China 2014–2018

PUBLICATION

Iron-Catalyzed N-Alkylation of Secondary Amines with Alcohols Using Borrowing Hydrogen Strategy | Published on Chemistry Select, April 2021 | https://doi.org/10.1002/slct.202100712

Probing the activity of transition metal M and heteroatom N4 co-doped in vacancy fullerene (M–N4–C64, M = Fe, Co, and Ni) towards the oxygen reduction reaction by density functional theory | Published on RSC Advances, Jan 2021 | https://doi.org/10.1039/D0RA08652E