

Ruxin Qu

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

SUMMARY

Web Developer with 1 year coding experience and 4 years Linux/Unix experience. Graduated from Full Stack Coding Bootcamp through University of Washington with a background M.S degree in computational chemistry.

SKILLS

HTML, CSS, JavaScript, JQuery, Bootstrap, React, Redux, Mocha, Chai, Node, MySQL, MongoDB, Express, OOP, REST APIs, GraphQL, Azure web app

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.

FitHub |Repo:<https://github.com/RuxinQu/fithub> | Deployed

<https://fithub-fitness.herokuapp.com/>

Lead Developer

- This application is an installable fitness app that users can login/signup and save/remove workouts.
- I implemented the GraphQL queries and mutation, as well as the connection with ExerciseDB API.
- Tools/Languages: React.js, Redux.js, Express.js, MongoDB, JWT, Apollo GraphQL, Bcrypt, Bootstrap, Node.js, Heroku, ExerciseDB API(Rapid API).

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

Material Analysis Engineer

Jul 2021–Aug 2021

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

Forensic Expertise Engineer Assistant (Internship)

Dec 2020–Jan 2021

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 EXPERIENCE**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

PUBLICATIONS**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>