

# Ruxin Qu

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

## SUMMARY

Full Stack Web Developer with a passion to write clean and maintainable code. Graduated from Full Stack Coding Bootcamp through University of Washington with a background M.S degree in computational chemistry.

## SKILLS

Technical skills: HTML5, CSS3, Unix/Linux, JavaScript, JQuery, Bootstrap, React, Redux, Unit testing, Node, MySQL, MongoDB, Express, OOP, REST APIs, GraphQL, PWA, Azure Web Service, Google Cloud Platform, AWS, AWS S3, AWS dynamoDB

Soft skills: problem-solver, self-motivation, agile development

## PROJECTS

**FitHub** |Repo:<https://github.com/RuxinQu/fithub> | Deployed  
<https://fithub-fitness.herokuapp.com/>

Lead Developer

- This full-stack web application is a fitness app that allows users to log in/sign up and save/remove workouts. The application is a PWA and is cross-browser compatible.
- In the back-end development, I implemented GraphQL queries and mutations, and in the front-end development, I established the connection with the 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 full-stack web application allows users to log in/sign up and leave their pets at pre-seeded hotels. Users can upload pictures of their pets, which are then saved to Google Cloud Storage. The application follows the MVC architecture.
- In the front-end development, I handled the handlebars and authentication, while in the back-end development, I was responsible for the controllers and feature/server tests.
- Tools/Languages: Google Cloud Service, Express.js, Multer, Handlebars.js, MySQL, Sequelize, Passport-Local, Bcrypt, Mocha, Chai, WebdriverIO, Heroku.

**Wei Full** |Repo:<https://github.com/RuxinQu/wei-full> | Deployed  
<https://ruxinqu.github.io/wei-full/>

Lead Developer

- This web application provides users with nearby restaurants if they select 'Go out' and six recipe options if they choose 'Stay in'. The application meets the requirements of responsive web design.
- I was responsible for handling the communication with APIs while also adding styling to the page.
- Tools/Languages: HTML, CSS, JavaScript, jQuery, Bulma, Google Maps API, Spoonacular API.

## PROFESSIONAL EXPERIENCE

**FOXCONN**

Material Analysis Engineer

Jul 2021–Aug 2021  
Shenzhen, China

- Learned about the production process and common problems encountered on the lens module production line.
- Utilized Excel to process lens module data, filtering out any failed product data.
- Summarized two SFR failure analysis reports and presented them in daily meetings.

**JILIN ZHONGSHI ENVIRONMENTAL PROTECTION GROUP**

Forensic Expertise Engineer Assistant (Internship)

Dec 2020–Jan 2021  
Changchun, China

- Conducted the identification and assessment of ecological environment damage and learned about restoration plans for different pollutants.
- Assisted in the preparation of two cases of "Eco-environmental Damage Appraisal and Assessment Opinions" and organized one case of "Eco-environmental Damage Consultation Documents".

**VOLUNTEER EXPERIENCE****U-DISTRICT FOOD BANK**Jan 2022–May 2022  
Seattle, WA

- Rationed food donations to customers based on their shopping lists while also monitoring the shelf inventory.
- Improved the Chinese translation of the customer order forms. My total volunteer time was 35.49 hours.

**AIESEC**Jul 2019–Aug 2019  
Kuching, Malaysia

- Participated in the Sustainable Development Goals Quality Education program in Kuching, Malaysia.
- worked with 20+ volunteers to plan and organize 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>