Ruxin Qu

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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

HTML, CSS, JavaScript, Node, Unix/Linux, React, Redux, Amazon Web Services (AWS), Google Cloud Storage, Express, JQuery, Bootstrap, Handlebars, MySQL, MongoDB, REST APIs, GraphQL, PWA, Unit testing, Mocha, Chai, Jest

CERTIFICATIONS

AWS Certified Developer – Associate
AWS Certified Solutions Architect – Associate

PROJECTS

FitHub |Repo:https://github.com/RuxinQu/fithub | Deployed:
https://fithub-fitness.herokuapp.com/
Lead Developer(Group project)
- 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.
- I implemented GraphQL queries and mutations, and established the connection with the ExerciseDB API.
- Tools/Languages: React, Redux, Express, MongoDB, JWT, Apollo GraphQL, Bcrypt, Bootstrap, Node, Heroku, ExerciseDB API

Dog Tinder|Repo:https://github.com/RuxinQu/dog-tinder |
Deployed:https://dog-tinder-rq.netlify.app/
- A dog Tinder app that enables dog owners to create an account, browse dog profiles, engage in matchmaking, and initiate private chats
- Tools/Languages: Amazon S3, MongoDB, React, Express, Multer, Material UI, JWT, Bcrypt, Formik & Yup, React Tinder Card, Netlify, Heroku

AWS Thought |Repo:https://github.com/RuxinQu/aws-thought | Deployed:
http://ec2-35-162-91-240.us-west-2.compute.amazonaws.com
- A blog project where users can post text and images.The images are uploaded to an Amazon S3 bucket, and the data is stored in Amazon DynamoDB. The application is deployed to an Amazon EC2 instance.
- Tools/Languages: HTML, CSS, JavaScript, Amazon S3, Amazon DynamoDB, Amazon EC2, React, Express, Multer

PROFESSIONAL EXPERIENCE

FOXCONN   Jul 2021–Aug 2021
Material Analysis Engineer   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 failure analysis reports and presented them in daily meetings.

JILIN ZHONGSHI ENVIRONMENTAL PROTECTION GROUP   Dec 2020–Jan 2021
Forensic Expertise Engineer Assistant (Internship)   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.

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

Mechanistic Insight into Pd(II)-Catalyzed Late-Stage Nondirected C(sp2)-H Cyanation of Toluene Using the Dual Ligands MPAA and Quinoxaline: A Density Functional Theory Investigation| Published on The Journal of Organic Chemistry, July 2021 | https://doi.org/10.1021/acs.joc.1c01160