

Liang Xu

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Education

College of Engineering in University of Washington

Seattle, USA

Materials and Science Engineering(M.S.)

09/10/2018-06/10/2020

- GPA: 3.63/4.0

Relevant Coursework:

Data structure and algorithms, Database system, Computer system, Software Engineering for Molecular Data Scientists, Data Science Methods for Clean Energy Research

College of Environmental and Chemical Engineering in Dalian University

Dalian, China

Macromolecular Materials and Engineering(B.E.)

08/28/2014-07/01/2018

- GPA: 3.5/4.0

- Awarded School Third-Class Scholarship, Excellent Student Leader, Science & Technology Scholarship.

Technical Skills

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript

Frameworks & Tools: Spring Boot, Django, React, Bootstrap, MySQL, PostgreSQL, Git, Postman

Work Experience

HireBeat Inc, Software Developer

08/2020--Present

- Coordinated with UX designer on company's web pages, implemented the company's responsive user interfaces with React.js framework and react-responsive plugin.
- Implemented a web audio record tool with videojs-record plugin and uploaded the recorded audios to S3.
- Implemented restful APIs using Django framework and interacted frontend and backend with React Redux.
- Acquired around 1000 users(80 people per week) by developing new features of HireBeat software.

Projects

North Youth Mini App, Software Engineer

06/2020--08/2020

- Initialized the app project with Spring boot framework, implemented Dao, Entity and Mapper files of the tables created in MySQL database with MyBatis Generator, lessened the initial nuisance of setting up objects and configuration files of this application.
- Utilized BCrypt to implement the encryption of users password, improved the security of users privacy.
- Implemented authority management with Role-Based Access Control method, configured Administration interceptors, ensured the normal operation and administration of this application.
- Coordinated with frontend developers on restful APIs design and requirements, implemented user registration, login, logout, posting and comment features.
- Configured Github Webhooks and Jenkins, implemented the automated build of this application on Jenkins.

Weather Forecast Web Application, Full Stack Engineer

01/2020--2/2020

- Implemented a user interface with HTML, CSS, JavaScript languages and Bootstrap framework.
- Implemented a feature of searching any city current weather information with city name or postal code using Python language. Stored the city names collected from input bar on PostgreSQL database for further query.
- Mapped the city names in the database with Open Weather API to acquire each city current weather information. Screened needed data and transferred them to the user interface with Django framework.
- Website: <https://xuliang-weather-app.herokuapp.com>

Flight Booking Application, Software Engineer

09/2019--12/2019

- Analyzed and drew entity relationship(ER) diagram between users and flight companies. Determined tables schema and injected flight data into the airline information table with SQL Server database.
- Implemented the features of user registration, login, logout, searching specified flights(direct or indirect), booking and canceling flights with Java and SQL languages.
- Implemented a user interface of this application using HTML and CSS, tested this application with unit test.
- Github: <https://github.com/xuliang2019/Flights>