

Weili Yin

Software developer

Creative and solution-oriented Computer Scientist with a wide variety of experiences in the edge technology. Adept at motivating self and others. Passionate about front-end design and DevOps.

xlyin@ucdavis.edu

5303049960

www.charlesywl.com

linkedin.com/in/charlesywl

github.com/CharlesYWL

CAREER OBJECTIVE

Seeking a Frontend developer or DevOps position at California, where exceptional knowledge and skills will be effectively put in agile software development process.

KEY SKILLS

Java Python C++ C# JavaScript
React/Redux SQL&NoSQL AWS Lambda
AWS Fargate Firebase Android Studio

EDUCATION

Computer Science

University of California, Davis

09/2015 – 12/2019

Courses

- Algorithm
- Database
- Android
- Computer architecture

WORK EXPERIENCE

IT Operation

Hikvision

06/2018 – 09/2018

Hangzhou, China

High Quality of CCTV product tech company

Achievements/Tasks

- Assist Manager in maintaining the whole company's virtual machine servers.
- Support IT problems for company-wide laptops/desktop, including software/hardware problems shooting and phone Q&A.

Data Specialist

CAAA, UC Davis

06/2017 – 06/2018

Davis, CA

Achievements/Tasks

- Supported manager on managing database.
- Analyzed data to target advertising.

PROJECTS EXPERIENCES

LogSecure/AccessSecure

- We made this service to provide developers an APIs to log all HTTP requests and we analyze those logs to detect the potential dangerous attacks.
- Built the authentication system and database in serverless structure using Firebase.
- Utilized AWS' lambda to deal with RESTful API call with easy load-balancing.
- Constructed the user dashboard, or the web frontend via popular React/Redux in a few weeks.
- Cooperate with backend teammates who mainly developed the wrapper of our package.
- Designed a practical algorithm to analyze thousands of backend logs to detect suspicious internet requests.

Half Mile (Travel Web Application)

- We integrated every detail in planning travel into our app, including the plan of transportation, reservation of flights, hotels, and tickets on Expedia.
- Developed the frontend in one month using fancy React and Redux.
- Integrated Expedia and National Parks' RESTful APIs into our search system.
- Innovatively used Google's Machine Learning to analyze users' history to make the preferred recommendation.
- Applied container(Docker) technology to deploy our server-end and made load-balancing

Instagram-like Android Application

- Led and managed a team of four in developing an Instagram-like Android Application.
- Adopted serverless architectures by using Google's Firebase for authentication, database, and function.
- Used popular DevOps tools like Gradle and Git to manage cooperation and version control.

PASSION IN MY FREE TIME

- Frontend using React/React-native
- Android Software Development
- Filming and Photograph
- Hardware problemshooting