**Weili Yin**

4447 Cowbell Blvd 57, Davis, CA, 95618 | 530.304.9960 | [xlyin@ucdavis.edu|](mailto:xlyin@ucdavis.edu|) [GitHub](https://www.github.com/CharlesYWL) | [Portfolio](https://charlesywl.com)

**OBJECTIVE**

Full-time SDE position

**EDUCATION**

**University of California, Davis**, Davis, CA Sep 2015 – Dec 2019

***Bachelor of Science in Computer Science***

**SKILLS & COURSES**

Algorithm, Databases(SQL & NoSQL), JAVA, JavaScript, HTML, CSS, Python, Computer Architecture, Object-oriented Design, OS Design, C#, Clisp, Agile Development Process, MVC frame. AWS

**PROJECT EXPERIENCE**

**Instagram-like Web Application** July 2020 – Aug 2020

*A solo project which achieved signup, login, make post, subscribe and other main functions in Instagram*

* Applied master/detail module to implement the CRUD functionalities.
* Understood class based view structure.
* Implemented Django forms for CRUD.
* Designed and developed the MySQL tables to achieve user authentication.
* Deployed the web application on AWS LightSail.

**Half-Mile (Demo)** Dec 2019 - Jan 2020

*A web application helps users to plan every detail in travel including transportation, flights, hotels and tickets*

* Designed the user-friendly interaction of the website by React/Redux.
* Applied Firebase to fetch data from Expedia open source API.
* Implemented key functionalities of the web site.
* Communicated with team members to identify and solve the technical problems.

**LogSecure** Sep 2019 - Dec 2019

*A web project which is a middleware we provide to developers to log and analyze all HTTP requests*

* Implemented the authentication system and database in serverless infrastructure using Google Firebase.
* Managed RESTful API call with load-balancing by leveraging AWS Lambda.
* Designed the user dashboard through popular React/Redux.
* Coordinated with backend teammates to deliver a final package to client.
* Designed an algorithm to automatically detect suspicious internet request in the backend logs.

**Instagram-like Android Application** Jan 2019 - Mar 2019

*An android project which achieved signup, login, make post, subscribe and other main functions in Instagram*

* Implemented the core functionalities in Android Studio.
* Adopted a serverless architecture using Google Firebase.
* Utilized Gradle and Git to manage the version control and streamline development process.
* Led the whole team to quickly tackle technical issues.

**INTERNSHIP EXPERIENCE**

**HIKVISION Inc**, Zhejiang, China May 2018 – Sep 2018

***IT Operations Intern,*** DevOps Team

* Monitored hundreds virtual machine servers through VMware within the company internal network.
* Managed IT tickets in the company internal platform.
* Provided on-time support to resolve network/hardware issues.
* Introduced PEX Ne twork Boot to speed up OS installation for new clients and staffs by 10 times.
* Led the coordination with the DevOps team and downstream teams to understand pain points.