**Weili Yin**

Davis, California

(530)-304-9960 • [xlyin@ucdavis.edu](mailto:xlyin@ucdavis.edu) • <https://www.linkedin.com/in/charlesywl/>

**Software Developer Profile**

*Dedicated and highly-motivated individual with strong educational background developing software and leading application development project from inception to completion.*

**Areas of Expertise**

* Demonstrated ability to deploying, integrating, and maintaining system, troubleshooting network resources, evaluating technical alternatives, and recommending solutions.
* Deft at customizing open source technologies, setting up project scope documents, delivering a software development plan, and optimizing database.
* Able to design and implement software of embedded devices and systems as well as analyzing and enhancing efficiency, stability, and scalability of system resources.
* Exceptional communication skills, able to effectively communicate highly complex technical information to non-technical users and stakeholders on all levels.

**Technical Proficiencies**

|  |  |
| --- | --- |
| *Tools:* | Python, Java, NoSQL, Numpy, Panadas, HTML, CSS, C++, C#, Django, JavaScript/TypeScript, Git, AWS Lambda, LightSail, Google Firebase, React/React-native, Android Studio, Unity |

**Professional Experience**

Hikvision, Inc, Zhejiang, China

**IT Operations Intern | DevOps Team** (5/2018 – 9/2018)

* Delivered active functional support to manager in maintaining the company’s virtual machines servers.
* Facilitated in identifying and resolving IT issues for company-wide laptops/desktops.
* Troubleshoot, configured desktop components, and assisted with the installations of desktops and laptops.

*Key Achievement:*

* Come up with PXE Network Boot to speed up installing OS for new clients and staffs (10 times efficiency).

**Key Projects**

[**Insta-like Web application**](https://github.com/CharlesYWL/DjangoExp)(7/2020)

* Solo project which adopting Django and html framework. Using Django, SQL to achieve authentication, Heroku to deploy websites.
* Quick development and deployment on AWS LightSail in a few days.

[**Half-Mile (Demo)**](https://halfmile.io)(12/2019 – 1/2020)

* Developed user-friendly application by gathering feedback and integrating every detail in planning travel into app, including the transportation, reservation of flights, hotels, and tickets.
* Designed the front-end of the website using React and integrated backend APIs (including Expedia’s) into front-end to fetch data from database, whilst communicating with back-end teammates and discussed how to implement key function.

[**Instagram-like Android Application**](https://github.com/CharlesYWL/Instragram-Like)(1/2019 – 3/2019)

* Supervised a team of four staff in developing an Instagram-like android application on Android Studio, whilst adopting a serverless architecture using Google’s Firebase.
* Utilized DevOps tools, such as Gradle and Git to manage the version control and streamline development process.
* Oversaw the notification as well as the change on database by developing a cloud function using TypeScript.

[**LogSecure**](https://www.logsecure.io/)(9/2019 – 12/2019)

* Developed and implemented the authentication system and database in serverless infrastructure by using Google Firebase.
* Managed RESTful API call with load-balancing by leveraging AWS Lambda as well as designed the user dashboard through popular React/Redux in a few weeks.
* Designed the wrapper of package in effective coordination with backend teammate.
* Assessed backend logs to detect suspicious internet requests by designing and implementing an algorithm.

**Education**

University of California, Davis

**Bachelor of Science in Computer Science, 2019**