



# Xiaosong Lu .com

Seeking Software Development Engineer  
Position

## Experience

2019-01

### Front End Developer Intern

Hiveel Technologies, Inc. (Los Angeles)

2019-05

- Improved website **responsibilities** using **Element UI/Bootstrap**.
- Developed the new product website layout using **CSS/Html JavaScript, Vue, Vuex**.
- Cooperated with backend team, connect APIs and **Testing** using **Vue CLI, Postman**.

### Research Assistant

The German Aerospace Center (DLR) (Stuttgart Germany)

- Determined DLR's definition of functional and system components' standard for each level Autonomous Driving Vehicles
- Helped Emission Test team (which exposed VW emissions scandal) to test Diesel Vehicle Emission on German market, under New European Driving Cycle (NEDC)

## Projects

### Nearby Event Search and Recommendation

Frontend:

- Created a website using **HTML,CSS and JavaScript**, with **AJAX** technology
- Backend
- Utilized **Java servlets** with **Restful APIs** to handle HTTP requests and responses
- Built databases(**MySQL,MongoDB**) to save data obtained from **ticketMaster API**
- Implemented content based **recommendation algorithm** to recommend events
- Deployed server to **Amazon AWS EC2** to handle user requests on demand

### NBA Player Strength Visualization

Frontend:

- Built a dashboard including a shot chart and bar charts to visualize shot data
- Lifted shared **React** States up to link highlighting among all charts

Backend:

- Designed a field goal filter for a detailed visualization of areas with made shots
- Created match filters to provide specific visual stats for home, away, won and lost

### Go Web Service based Social platform

Frontend:

- Created a geo location based website with **React JS**
- Utilized Ant Design, GeoLocation and Google Map **APIs** to integrate features

Backend:

- Built a **Go Web Service** for image post and deployed it to **Google Cloud**
- Implemented **ElasticSearch** to allow users to search nearby posts
- Created Dataflow to dump user data from **BigTable** to **BigQuery**
- Trained an image classifier with **TensorFlow** to detect face in user posts

## Personal Info

### Address

Irvine, South California

### Phone

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### E-mail

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### GitHub

<https://github.com/seawill77>

### LinkedIn

[www.linkedin.com/in/xiaosong\\_lu](http://www.linkedin.com/in/xiaosong_lu)

## Education

2017 05 2019 05

### California State University (California US)

- Master of Software Engineering
- OPT start date: 07/10/2019

### Esslingen University of Applied Sciences (Germany)

- Master in Design and Development  
Mechanical and Automotive  
Engineering

### University of Shanghai for Science and Technology (China)

- Bachelor of Mechanical Engineering
- Exchange Study at Hochschule  
Furtwangen University (Germany)  
Major: International Engineering
- Outstanding Graduate Student Awards
- 4th National College Mechanical  
Competition 3rd Awards

## Skills

Java Python

JavaScript CSS/HTML

MySQL MongoDB

React.js Redux Vue.js Vuex

Amazon Web Services (AWS EC2)

Google Cloud GAE

Spring Spring MVC

Git TensorFlow Machine Learning  
(Google APIs)