

# Xiaosong Lu

Actively seeking Software Engineer position

## Personal Info

### Address

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### Date of birth

1989-04-27

### WWW

[www.xiaosong-lu.com](http://www.xiaosong-lu.com)

### LinkedIn

<https://www.linkedin.com/in/xiaosong-lu/>

### GitHub

<https://github.com/seawill77>

## Education

### California State University

#### Fullerton

- Master of Software Engineering
- GPA: 3.65

### Esslingen University of

#### Applied Sciences

#### (Germany)

- Master in Design and Development for Mechanical and Automotive Engineering

### University of Shanghai for

#### Science and Technology

#### (China)

- Bachelor of Mechanical Engineering

## Skills

Java JavaScript CSS/HTML

MySQL MongoDB

React.js Vue.js Redux Vuex

AWS EC2 Google Cloud GAE

Spring Spring Web MVC

Git TomCat Docker

## Experience

2019-01 -

2019-05

### Front End Developer Intern

Hiveel Technologies, Inc. (Los Angeles)

- 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 Test using **Vue-CLI, Postman**.

2015-11 -

2016-05

### 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
- Evaluate components' cost and extra energy consumption of 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)

2017-05 -

2017-08

### Research Assistant

California State University Longbeach (Los Angeles)

- Software Recognize Wireless System Modeling and Optimization

## Projects

### Nearby Event Search and Recommendation

*AJAX Servlet MySQL AWS*

Frontend:

- Created an interactive 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 event data obtained from ticketMaster **API**
- Implemented content-based recommendation algorithm to recommend nearby events
- Deployed server to **Amazon AWS EC2** to handle user requests on demand

<https://github.com/seawill77/Recommendation-System-Project>

### NBA Player Strength Visualization

*React.js 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

<https://github.com/seawill77/nba-players>

### Go Web Service based Social platform

*React.Js Go GAE*

Frontend:

- Created a geo-location based website with **React JS**
- Used **React Router** to implement token based registration/login/logout flow
- Utilized **Ant Design, GeoLocation API** and **Google Map API** to integrate features like "Create Post", "Nearby Posts As Gallery" and "Nearby Posts In Map"

Backend:

- Built a Go Web Service for image post and deployed it to **Google Cloud(GAE)**
- Implemented Geo-index based **ElasticSearch** to allow users to search nearby posts
- Implemented **token-based authentication (JWTs)** to protect search and post endpoints
- Created **Dataflow** to dump user data from **BigTable** to **BigQuery** for future analysis
- Trained an image classifier with **TensorFlow** to detect face in user posts

<https://github.com/seawill77/Go-Cloud>