

Xiaosong Lu

Actively seeking Software Engineer position

Personal Info

Address

471 Estancia
Irvine CA92602

Phone

9497714564

E-mail

Xiaosong.Lu@outlook.com

Date of birth

1989-04-27

WWW

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.

- Improved website responsibilities using Element UI/Bootstrap.
- Developed the new product website layout using CSS/HTML JavaScript, Vue, Vuex.
- Cooperate with backend team, connect APIs and Test using Postman.

2015-11 -

2016-05

Research Assistant

The German Aerospace Center (DLR)

- Evaluate components' cost and energy consumption of each level Autonomous Driving Vehicles
- Report thesis to DLR: "Components and Energy Consumption for Autonomous Vehicle"
- Diesel Vehicle Emission Test under New European Driving Cycle (NEDC)

2017-05 -

2017-08

Research Assistant

California State University Longbeach

- Software Recognize Wireless System Modeling and Optimization

Projects

Nearby Event Search and Recommendation

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 EC2 to handle user requests on demand

NBA Player Strength Visualization

React.js

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

React.Js Go GAE

Frontend:

- Created a geo-location based website with React JS
- Used React Router v4 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