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Seeking Software Development Engineer Position

Experience

Front End Developer Intern 01/ 2019 — 05/ 2019

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 **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 Recommendation Website

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

Basketball Player Games Data 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

xxxxxxx

E-mail

xxxxxxxx

GitHub

xxxxxxxx

LinkedIn

www.linkedin.com/in/xiaosong_lu

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)

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