Xiaosong Lu

Seeking Software Development Engineer Position

Personal Info

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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

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
GO ML TensorFlow BigTable
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