Zuolin Li

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Objective

A student with ability to learn concepts quickly and willing to learn, also a team-worker.
Looking for a full-time in software development, front/back end web developer in Fall/Summer 2017.

Education

University of California, Davis, CA
Bachelor's Degree of Computer Science, 2017   Up Coming Senior Year
Dean's Honor List for Winter/Spring Quarter 2014, Spring Quarter 2016   GPA: 3.77
Github: https://github.com/lzlmike   Linkedin: https://www.linkedin.com/in/zuolin-li-20192a104

Technical Skills

Language: Java, Python, C.
Database: MySQL, PostgreSQL.
Web: HTML, CSS, JavaScript, Bootstrap, jQuery, Node.js, PHP, ThinkPHP, ruby on rails, and familiar with MVC framework.

Projects

Currently working as an intern in Taola. Inc in summer 2016. Modified a voting/polling application with more features and function to set a vote for nearly one thousands of Chinese restaurant in California to choose the best ones. It limited each user/IP can only vote 10 votes at a time, and 3 times a day, and users can vote multiple restaurant at one time. Added a rewarding system to give each voter a chance to get rewarded like air ticket, iphone or other small banquet with random chance. It is mainly used in WeChat. The running environment is PHP + MySQL with ThinkPHP framework.

Modified Ribbon tools, which is a data visualization tools written with Ruby on Rails. (detail: http://cee.ucdavis.edu/educational_analytics/ribbon-tool.html) Added a function to convert CSV-Aggregate format file that user uploaded to an acceptable JSON format file. Rewrite reports controller and views that shows the number of users and diagrams created by each institution each month following DRY principle. Added a line-chart to visualize the reports page based on the user's choice.

Build a small weather web application using HTML, CSS, and JavaScript with Yahoo weather API. By simply putting the zip code or city name, it will return the next five day's weather details including temperature, wind speed and also weather condition symbols. It shows different views for phone-site.

Designed a program to upload the NHTS(National Household Travel Survey) and EIA(U.S. Energy information Administration) data into PostgreSQL in python with psycopg2. Using the program to query the database to analysis the data. (ex: the percent of transportation CO_2 emissions should be attributed to household vehicles for each month of the survey (3/2008 – 04/2009).) Also wrote a program to load the same data from MATLAB file to database in python using h5py and Numpy APIs.

Build a discrete-event simulation model to study the behavior of a network protocol, e.g., an IEEE 802.x based Network and a token passing protocol for Local-Area Network (LAN) with Java. The time between each event draw form a negative exponentially random variable with rate lambda. Analysis the relationship between arrival rate and mean queue-length, server utilization, and total dropped packages. (former one) Also the relationship between arrival rate of packages, number of hosts in the ring and throughput, Average Packet Delay (LAN) in the Simulation.