Zuolin Li

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Objective

A student with ability to learn concepts quickly and willing to learn.
Looking for an internship in software development or website development in summer 2016.

Education

University of California, Davis, CA
Bachelor's Degree of Computer Science, 2017
Dean's Honor List for Winter/Spring Quarter 2014
GPA: 3.74
Github: https://github.com/lzlmike Linkedin: https://www.linkedin.com/in/zuolin-li-20192a104

Courses:

ECS10(Python)	ECS152A(Networking)	ECS165A(Database System)
ECS30(C)	EEC70(Assembly language X86)	ECS122A(Algorithm)
ECS40(C++)	ECS140(Programming Language)	
ECS60(Data Structure)	ECS154A(Computer Architecture)	

Technical Skills

Language: Python, Java, PostgresSQL, C, C++, X86 Assembly language
Web-design: HTML, CSS, JavaScript, jQuery, Bootstrap

Extra-Curricular Activities

One and half month summer internship at Pingshow.inc in 2015. Testing and drawing flow chart for their products and apps: AireTalk/AireCenter, and involved in the design of new UI and icon of AireTalk and AireCenter.

Designed a program to load the NHTS(National Household Travel Survey) and EIA(U.S. Energy information Administration) data into PostgresSQL in python. Using the program to query my database to analysis the data. (ex: the percent of transportation CO2 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 database from MATLAB file in python.

Build a discrete-event simulation model to study the behavior of a network protocol, e.g. , an IEEE 802.x based Network. 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 packets.
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Build a discrete-event simulation model to study the behavior of a token passing protocol for Local-Area Network (LAN) with Java. Analysis the relationship between arrival rate of packages, number of hosts in the ring and throughput, Average Packet Delay in the Simulation.

Designed a program which simulated a situation to balance the power of each cities. Each city can generate power and using power, but some cities lack of power. The program used Breadth First In method to fulfill all the cities that are lack of power from the cities which creates more power. (C++)