XIAOZHENG(WILL) GUO

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TECHNICAL STRENGTHS

Programming	Java, C/C++, Python, SQL, HTML, CSS
System & Tools	Linux, SSH, TCP/IP, MySQL
Courses	Algorithms, Data Structures, Computer Commun Network,
	Basis of Computer Engineering, C Program Designing,
	Data Base, Web Engineering, Digital Image Processing

PROJECTS

HTTP Proxy Server | Python, HTTP, TCP/IP, Socket, WireShark *Dec. 2016*
Designed a simple HTTP proxy server socket program by using Python. It can store web cache in declicated file structure, and can handle multiple objects from different hosts.

Grep-like Index And Search Program | C++ *Dec. 2016*
Designed a program similar to the Unix built-in command "grep". User can input a word he/she want to search and a directory and specify "case-sensitive" or "case-insensitive", then the program will traverse the file tree in the specific directory, index every file that it finds in the tree in Hash table, then the program will output directory/filename and line number where the word occurs.

Online Retailer Order Processing Simulation | C++ *Oct. 2016*
Designed a online retailer order processing simulation program that simulated two main operations, retrieving order and packaging order. User can input the number of package units and a order list which contain the arrive time, fetch time, and package time of each order. The program will simulate the whole process of fetching items and packaging them for each order by using a master clock, such that it can deal with the order queue, and it will output the total processing time duration of each order.

Reverse Polish Notation (RPN) Calculator | C++ *Sept. 2016*
Implemented a RPN calculator similar to the Unix built-in "dc" calculator, using a stack to store floating point numbers, can handle simple "+, -, *, /" operations. User can enter numbers or operators in command line or by passing a file. The program can display the outputs on screen or store them in file.

EDUCATION

Tufts University	*Medford MA*
M.S. in Electrical & Computer Engineering	*Sept. 2016 - Now*

East China University of Science and Technology	*Shanghai China*
B.S. in Physics GPA: 3.3	*Sept. 2011 - July 2015*

PATENT & PUBLICATION

Guo, Xiao-Zheng, et al. "All-optical logical gates based on photoinduced molecules reorientation in amorphous polymer films." Journal of Nonlinear Optical Physics & Materials 25.01 (2016): 1650004.