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Xiang Li

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Objective	Seeking a Software Development Engineer Internship from mid-May to mid-August , 2017	
Education	Rice University , Houston, Texas	<i>Sep. 2016 - Jan. 2018</i>
	Master in Computer Science , in Computational Science and Engineering program Courses in-progress: Web Development, OOP and design, Computer Architecture, Computational Science Courses to-be-taken in Spring: Compiler, Database Implementation, Operating System, Machine Learning	
	Shanghai Jiao Tong University , Shanghai, P. R. China	<i>Sep. 2012 - Aug. 2016</i>
	University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI) Bachelor in Computer Engineering , with major GPA: 3.5/4.0 Courses: Intro. to Operating System, Database, Data Structure, Algorithms, Object-oriented programming, Computer Organization, Computer Network, Cryptography, Intro. to Data Mining	
Computer Skills	Programming Languages: Java, C/C++, C#, Javascript, Python, SQL, HTML/CSS, Verilog Operating Systems: Linux Ubuntu/CentOS, Mac OS, Windows, Minix Software/Frameworks: Git, SVN, Vim, Jenkins, \LaTeX , Mathematica, Matlab, Xilinx ISE	
Work Experience	Software Engineer Intern , Transwarp Technology, Shanghai, P. R. China	<i>Feb. 2016 - Apr. 2016</i>
	<ul style="list-style-type: none">Constructed an integrated test environment on Jenkins, and wrote some JUnit test casesDesigned complete demos for connecting company's own Hadoop database with popular connection pools (DBCP) and ORM frameworks (Mybatis, Hibernate)Practiced working with HDFS and Hive data hubs in the Hadoop Ecosystem	
Project Experience	Software for Distributed Printing Service, sponsored by HP, Team Leader	<i>Sep. 2015 - Dec. 2015</i>
	<ul style="list-style-type: none">Developed a software to intelligently distribute big print jobs to multiple printers, in C#Implemented the genetic algorithm to allocate print jobs, designed supplementary algorithms to handle issues including paper jam and paper fault, and completed the customization functionAccomplished the computer-printer interactions by calling Windows APIs, 2000 lines of codes total	
	Operating Systems and Cryptography Projects in C	<i>May 2014 - Dec. 2015</i>
	<ul style="list-style-type: none">Wrote a unix-like shell using system calls, supporting common commandsCompleted earliest-deadline-first scheduling and lottery scheduling in Minix 3Impelmented AES and RSA Encryption/Decryption	
	Design and Verification of MIPS CPU	<i>Oct. 2014 - Nov. 2014</i>
	<ul style="list-style-type: none">Resolved all harzard issues while designing both single-clock-cycle and pipeline CPUsProgrammed using Verilog to verify the implemented CPU on a FPGA board	
	Intelligent Medicine System	<i>Nov. 2012 - Dec. 2012</i>
Academic Honors	<ul style="list-style-type: none">C Programming on Arduino Mega, with GSM module (for transmitting SMS to mobile phones)Won Silver Award in 2012 Winter Design EXPO of Joint Institute, SJTU	
	Guanghua Scholarship, 3 / 1000 students per institute	<i>Sep. 2014 - Jun. 2015</i>
	Merit Student, 1/25 students per year	<i>Sep. 2014 - Jun. 2015</i>
Selected Publications	Dean's List, for excellent academic record with GPA > 3.5	<i>Feb. 2014 - Aug. 2014</i>
	Research interests in computer networks and network security <ul style="list-style-type: none">Xiang Li, Mengyuan Li, Na Ruan, Fan Wu, and Jie Li, "Efficient and Enhanced Broadcast Authentication Protocols based on Multilevel μTESLA", in Proceedings of the 33rd IEEE International Performance Computing and Communications Conference (IPCCC), Dec. 2014 (acceptance rate: 30%)Na Ruan, Lei Gao, Haojin Zhu, Weijia Jia, Xiang Li and Qi Hu, "Toward Optimal DoS-resistant authentication in Crowdsensing Networks via Evolutionary Game", in Proceedings of the 36th IEEE International Conference on Distributed Computing Systems (ICDCS), June 2016 (acceptance rate: 18%)	