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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>Expected Dec. 2017</i>
	Department of Computer Science	
	Master in Computer Science track from Computational Science and Engineering program	
	Shanghai Jiao Tong University , Shanghai, P. R. China	<i>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	
Computer Skills	Programming Languages: Java, Javascript, C/C++, C#, Python, SQL, HTML/CSS, Verilog Operating Systems: Linux Ubuntu/CentOS, Mac OS, Windows, Minix Platforms/Frameworks: Git, SVN, Vim, Node.js, React/Redux, Hadoop, Jenkins, MyBatis, Hibernate	
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 for a five-person development groupDesigned connection methods for company's own Hadoop database with DBCP connection pool and ORM frameworks (Mybatis, Hibernate), along with supporting batch processing operations	
Project Experience	Full-stack Web Development for an Online Social Network	<i>Sep. 2016 - Dec. 2016</i>
	<ul style="list-style-type: none">Used React/Redux and Bootstrap in ES2016+ (webpack, babel) to develop front-end web pages (landing, main, and profile), currently connected to a dummy serverImplementing an Express server hosted by Heroku, and connected to MongoDB; supports CRUD operations for profiles, avatars, headlines, articles, comments and followersWrote unit tests and end-to-end tests on Node.js, following Test-Driven-Development rules	
	Software for Distributed Printing Service, sponsored by HP, Team Leader	<i>Sep. 2015 - Dec. 2015</i>
	<ul style="list-style-type: none">Saved at least 70% print time for those small companies who meet large print jobs (> 500 pages) but cannot afford expensive printers, by fully utilizing existing normal printers simultaneouslyDesigned a genetic algorithm to intelligently allocate print jobs to different printersHandled issues including paper jam and paper fault, and supported customization functionCoded in C# to accomplish computer-printer interactions, in around 2000 lines of codes	
	Operating System 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 3Implemented AES and RSA Encryption/Decryption	
	CPU Design and Verification	<i>Oct. 2014 - Nov. 2014</i>
	<ul style="list-style-type: none">Designed and coded a five-stage pipeline CPU, supporting the complete MIPS instruction setResolved all data/control hazard issues, and verified the CPU on a FPGA board	
	Intelligent Medicine System	<i>Nov. 2012 - Dec. 2012</i>
	<ul style="list-style-type: none">Wrote C codes on Arduino Mega, with GSM module (for transmitting SMS to mobile phones)Won Silver Award in 2012 Winter Design EXPO of Joint Institute, SJTU	
Academic Honors	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>
	Dean's List, for excellent academic record with GPA > 3.5	<i>Feb. 2014 - Aug. 2014</i>
Selected Publications	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%)	