

Objective	Seeking a full-time Software Development Engineer position, starting from 2018 spring	
Education	Rice University, Houston, Texas <i>Expected Dec. 2017</i> Department of Computer Science Master degree in Computer Science, in Computational Science and Engineering program Major GPA: 3.6/4.0	
	Shanghai Jiao Tong University, Shanghai, China <i>Aug. 2016</i> University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI) Bachelor degree in Computer Engineering Major GPA: 3.5/4.0	
Computer Skills	Programming Languages: Java, C, C++, Javascript, C#, Python, SQL, R, HTML/CSS OS/Platforms/Frameworks: Linux, Git, SVN, Vim, Node.js, React/Redux, Hadoop, Jenkins, MongoDB	
Work Experience	Software Development Engineer Intern, Amazon Inc., Seattle, WA <i>May 2017 - Aug. 2017</i> <ul style="list-style-type: none">• Worked in a platform development team of order aggregation for all Amazon e-commerce customers• Upgraded that external plugin invocation in Amazon's new RPC framework• Designed a dynamic invoker that make new plugin registrations can be accomplished in runtime• Contributed in modernizing our aggregation platform as well as simplifying debugging effort	
	Software Engineer Intern, Transwarp Technology, Shanghai, China <i>Feb. 2016 - Apr. 2016</i> <ul style="list-style-type: none">• Constructed an integrated test environment on Jenkins• Designed 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">• Front-end url: https://renren.surge.sh (supports Chrome best)• Used React/Redux and Bootstrap to develop web pages (landing, main, and profile)• Implemented an Express server on Node.js, connected to MongoDB, which supports authenticated login/logout and CRUD operations for profiles, avatars, articles, comments and followers• Added user authentication (salting by hash, cookie), session management via Redis, third-party authentication via OAuth2, Passport (Facebook), and permanent image uploading via Cloudinary	
	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 small companies, who meet large print jobs (> 500 pages) but cannot afford expensive printers by fully utilizing existing normal printers simultaneously• Handled issues including paper jam and paper fault, and supported customization function• Coded in C# to accomplish computer-printer interactions, in around 2000 lines of codes	
	System projects in operating system and distributed systems <i>Jan. 2017 - May 2017</i> <ul style="list-style-type: none">• Wrote a unix-like OS kernel from scratch, supporting system calls including Fork(), Delay(), etc.• Simulated a unix-like file system through a RPC framework• Implmented the consistent checkpointing algorithm on a simulated distributed system, RedNet	
	GIS-map-based Client-Server Game <i>Nov. 2016 - Dec. 2016</i> <ul style="list-style-type: none">• Created a game that players in each team move on a map to be together within certain rounds• Designed lobby and team chat rooms, supporting real-time conversations based on Java RMI• Implemented message passing in all communications (not using Java JMS), handling well-known and unknown commands from senders; achieved cmd-to-cmd communication for game processing	
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%)	