

Jonathan(Xiaolei) Zhen

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Education	Rice University – Master Computer Science, GPA 3.83/4 Shanghai Jiao Tong University – Bachelor of Computer Science, GPA 87/100	May,2016 June,2014
Experience	Technical Partner, Social Gear, Houston • Social Gear is an early stage startup company with 6 people. It's an event based social network. • Finished the alpha version with 3 other engineers in one month. • Front-end with Angular.JS and backend with Spring on Tomcat. Software Developer Intern, Cootek Inc. , Shanghai • Developed TouchPal Keyboard automatic test script using UIAutomation with javascript. • Developed features in TouchPal Keyboard container (iOS version 2.5.0). • Developed iOS test package distribution system independently with Ruby On Rails. Software Develop Engineer Intern, Yahoo Inc., Beijing • Developed a social news aggregator iOS app prototype with personalised recommendation. • Complete the iOS app and helped with building the backend sever with Node.js express. Hackers Choice Prize Winner, Yahoo! Hackthon, Beijing • Developed a remote controller of Yahoo! Web Player. • Generated QR code to connect the iPhone with a computer. • A full-fledge project with iOS, faye backend server and wrote javascript for Chrome browser extension. Research Assistant, Shanghai Jiao Tong University • Used C++ to implement a new SMS4 white-box improved algorithm as the new method for scrambling code. • Discussed the efficiency and the feasibility of this algorithm. COMP 531: Web Development, Course Project, Rice University • Fully functional social network frontend app with Bootstrap and Angular.js. • Backend RESTful APIs using node.js, with MongoDB, Redis session management, Third-Party Authentication • Unit test using jasmine and karma, end-to-end test using protractor • Got grade A+ with 98.6/100 points COMP 430: Intro to Database Systems,Course Project, Rice University • Machine learning: Regression Model Computation using SQL language; • Developed Query execution optimizer with Java; • Simple web application for searching in database on Google Web Engine using Java and JSP COMP 422: Parallel Computing,Course Project, Rice University • Parallel Exploratory Search using CilkPlus • Solving a linear system in parallel using Gaussian elimination using OpenMP and Pthreads. • Achieve 2.5D Matrix Multiplication using MPI • Implementing a data-parallel bitonic sort using a GPU with CUDA	Nov. 2015-Mar. 2016 May. 2015-Aug. 2015 Jul. 2013-Sep. 2013 May. 2013 Mar. 2012-Oct. 2012 Aug. 2015-Dec. 2015 Jan. 2015-May. 2015 Jan. 2015-May. 2015
Awards	Champion of AnGeek(Hackathon), Anjuke.Inc, Outstanding Undergraduate Student, Shanghai Jiao Tong University, The Honorable Mention Prize, ICM, Excellent Academic Scholarship, Shanghai Jiao Tong University,	Sep. 2014 Jun. 2014 Apr. 2013 2013,2012,2011
Skills	Familiar C++, Objective-C, Java, Angular.js, Node.js, Javascript, jQuery, Ruby On Rails Prior Experience Python, C# .net, Hadoop, PHP, Android	