

EDUCATION	<i>Bachelor of Science, Computer Science</i> ACM Class, Shanghai Jiao Tong University expected June 2013 GPA: 89.38/100
TEACHING ASSISTANT	<i>All for ACM Class in Shanghai Jiao Tong University</i> <i>Project Workshop of Compiler Principles</i> Spring 2012 We designed a new language like a mixture of C and Java for our sophomores to implement. <i>Set Theory and Mathematical Logic</i> Fall 2011 I provided 2 office hours for sophomores weekly, helped them with homework and led a discussion. <i>Principle and Practice of Computer Algorithms</i> Summer 2011 I guided some of my juniors to design and implement a FTP based course website for ACM Class.
RESEARCH EXPERIENCE	<i>Intern, HP Labs China</i> July 2012 ~ Feb 2013 Supervised by Yongqiang Liu, I am working on 802.11u protocol, especially GAS. <ul style="list-style-type: none">• Devised three types of attack to GAS and corresponding countermeasure.• Implemented a Hotspot 2.0 capable client on laptop.
PROJECTS	<i>Tiger Compiler(Course Project)</i> Spring 2011 A compiler for language Tiger written in Java. Lines of Code: 15, 000 <ul style="list-style-type: none">• Used quadruple instead of tree as intermediate representation.• Used linear scan algorithm instead of graph coloring for register allocation.• Applied optimization like DAG, loop unrolling, and peephole optimization etc. <i>Paike Website</i> Spring 2012 A website to assign tasks and jobs for clubs in Shanghai Jiao Tong University. <ul style="list-style-type: none">• Assigned jobs to peers using simple matching algorithm or handwork.• A user friendly UI for both managers and members of clubs. <i>Note: 10+ projects hosted on GitHub(@furtherLee). Details in the project list.</i>
PUBLICATION	<ul style="list-style-type: none">• Yongqiang Liu, Shijian Li, Junqing Xie: u-Shield: <i>A Defense Mechanism to Prevent AP from I/O Blocking Attack with IEEE802.11u</i>. HP TechCon'13(submitted)• Yongqiang Liu, Xunteng Xu, Junqing Xie, Shijian Li, Qunyang Lin: <i>A Flexible, Secure and High-Performance Hotspot2.0 Service System for HPN MSGN APs</i>. HP TechCon'13(submitted)• Yongqiang Liu, Xunteng Xu, Shijian Li, Junqing Xie, Qunyang Lin: <i>An Intelligent and Robust Extension to Hotspot2.0 Client</i>, HP TechCon'13(submitted)
PATENT	<ul style="list-style-type: none">• Yongqiang Liu, Shijian Li, Junqing Xie: <i>A Solution to Prevent an I/O Blocking Attack to AP with IEEE802.11u</i>• Yongqiang Liu, Shijian Li, Junqing Xie: <i>A Solution to Protect Memory Attack to AP with IEEE802.11u</i>
EXTRA-CURRICULAR ACTIVITIES	<ul style="list-style-type: none">• Activist in iTuring Community – Translating IT books and articles into Chinese• Cofounder of AngularJS Chinese Community(angularjs.cn) – Unofficial community to learn and develop AngularJS based web applications• Volunteer of Expo 2010 Shanghai – Star of Volunteers
COMPUTER SKILLS	C, C++ and Java Master PHP, JS, LUA Amateur Linux and System Geek Architecture Zealot