Shijian Li

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EDUCATION

MSc Candidate, Computer Science   Oct 2013 ∼ Now
Oxford University

Bachelor of Engineer, Computer Science   Sep 2009 ∼ July 2013
ACM Teaching Reform Class, Shanghai Jiao Tong University
Original GPA: 90.26/100   **Rank: 2/30**   **GPA: 3.85/4**

PROJECTS

Made useful tools and web things in C, C++, Java, Lua and PHP with *10+ projects hosted on GitHub(@**furtherLee**).* Details in the **project list** on www.lishijian.com.

HP SMC(Seamless Mobile Connectivity) Project   July 2012 ∼ February 2013
Worked on HP SMC project to bring a cellular-network-like end-user experience to Wi-Fi authentication and roaming. My contributions include:
- **3 papers** and **3 patents** cooperated with my supervisor Yongqiang Liu;
- A **Qt4** wireless management client on Linux with auto AP discovery and selection utility;
- A suite of stress test tools written in C and Lua for Hotspot2.0 enabled HP APs;
- A wireless management client with EPA-SIM authentication on **android**.

Tiger(Course Project)   Spring 2011
A compiler for language Tiger written in Java. **Code: 15,000 Lines**
- Used quadruple as intermediate representation, linear scan algorithm for register allocation.
- Applied optimization including DAG, loop unrolling and peekhole etc. making a 8-queen program running on spim for only 24,000 instructions.

EASA Software(Part-time Job)   September 2013 ∼ Now
A platform for fast authoring, publishing web applications and automatically transforming Excel documents to web applications.
- Part-time student developer for system upgrade and performance enhacement
- Migrated web service from Aix to JAX-WS

Esophy   September 2013
A website written in PHP, HTML5 and JS, finished in one week for a children book rental startup.
- Provided an online book rental service for parents in Beijing on behalf of an offline store.
- Published in Sina App Engine, the biggest Chinese PAAS cloud service.

PATENT

- A Solution to Prevent an I/O Blocking Attack to AP with IEEE802.11u (filed)
- A Solution to Protect Memory Attack to AP with IEEE802.11u (filed)
- A Solution to Bogus GAS Response Attack with IEEE802.11u (filed)

COMPUTER SKILLS

C, C++ and Java Master	PHP, JS, LUA Amateur	Hackathon Enthusiast
Linux and System Hacker	Software Architecture Zealot	Agile Developer

TEACHING ASSISTANT for ACM Class

- *Project Workshop of Database System*   Spring 2013
- *Project Workshop of Compiler Principles*   Spring 2012
  We designed a new language like a mixture of C and Java for our sophomores to implement.
- *Set Theory and Mathematical Logic*   Fall 2011
- *Principle and Practice of Computer Algorithms*   Summer 2011

SCHOLARSHIP

- **China Oxford Full-Award** (15 out of 133)   By China Oxford Scholarship Fund
- Zhiyuan Excellent Graduate Award (6 out of 61)   By Shanghai Jiao Tong University

EXTRA-CURRICULAR ACTIVITIES

- 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
- Designer of webistes such as drwangchinesemedicine.co.uk and esophy.sinaapp.com