Wei Li

Shanghai Jiao Tong University
800 Dongchuan Road, Shanghai, China

Phone:	(+86) 152-1671-3083
Email:	liwei606@gmail.com
Homepage:	liwei606.github.io
GitHub:	@liwei606

Education

B.Eng., Computer Science, Shanghai Jiao Tong University (SJTU)   (Sep. 2010 - Jul. 2014)

- Rank: **3**/130   Major GPA: **91.37**/100 (**3.88**/4.0)   Overall GPA: **90.17**/100 (**3.78**/4.0)

- **Grade A+** (95+) in **10+** specialty courses including *Discrete Mathematics*, *Data Structures*, *Compiler Principles*, *Operating Systems*, *Science and Technology Innovation*, and *Project Workshop of Compiler Principles*.

Awards & Honors

- 2013, **Outstanding Student** of SJTU (evaluated in the aspects of study, attitude and health)

- 2013, CSC-IBM Excellent Scholarship of China (**2** students in our school)

- 2013, **Chun-Tsung Scholars** (founded by Nobel Prize winner Tsung-Dao Lee)

- 2013, **Google Anita Borg Scholarship** (20 undergraduate students in China)

- 2013, China Computer Federation Outstanding Undergraduate Award (**2** students in our school)

- 2012, **Best Papers** award in the Undergraduate Innovation and Practice Project of SJTU (top ten)

- 2012, Ricoh Scholarship (top 5% students)

- 2012, Champion of the Badminton Contest in Shanghai Jiao Tong University (team title)

- 2011, **National Scholarship**, the **highest** scholarship in China (ranked **3 out of 700+** in our school)

- 2011, Academic Excellence Scholarship **(first-class)** in Shanghai Jiao Tong University (top **1%** students)

- 2011, **National Champion** of Morgan Stanley Code Storm (ranked **1 out of 100+** teams in China)

- 2010, Excellent Volunteer of the Global Communication Forum

Research Experience

Chun-Tsung Endowment, Supervisor: Kenny Q. Zhu   (Sep. 2013 - Jun. 2014)

- Conducted research on probabilistic programming to design and implement a portable probabilistic programming language that can be embedded into every programming language.

ADAPT Lab, Supervisor: Kenny Q. Zhu   (Jun. 2012 - Jun. 2014)

- Conducted research on approximate programming to produce an acceptably trade off accurate approximation for benefits of increased performance and reduced resource consumption.

- Identified snippets that may tolerant errors in the potential applications including EM, K-means, SVM, PageRank, etc.

Undergraduate Innovation & Practice Project, Supervisor: Liqing Zhang   (Sep. 2011 - Sep. 2012)

- Built a Personalized Apparel Recommendation System based on image feature extraction and support vector machine, and leveraged both the text and image information to represent the apparel items.

- Selected as one of the **Shanghai Undergraduate Innovative and Practice Projects**, and won the **Best Papers** award in Shanghai Jiao Tong University.

Internship Experience

Research Engineer, Intel Asia-Pacific Research & Development Ltd, SSG, BiTs Team   (Jan. 2013 - Jul. 2013)

- Built an email fetcher from Microsoft Exchange based on the Exchange Web Services (EWS) Managed API 2.0 with filters attached.

- Conducted research work on data mining aiming to help the debugging programmers to locate and resolve the bug problems leveraging bug logs in repositories, such as Bugzilla, Subversion and email system.

Projects

MapReduce-based PageRank: a **Java** implementation of the PageRank algorithm based on the MapReduce model. It was deployed and evaluated on a three-node Hadoop cluster. Three optimization approaches were employed to reduce the time cost of both network transmission and disk accesses.

SmallC Compiler: a compiler written in **C**, which targets the MIPS architecture and consists of four phases including syntactic analysis using flex and bison, semantic analysis and type checking, code generation, and peephole optimization. This project earned a score of **100/100**.

C to Java Translator: a translator implemented on the abstract syntax tree (AST) level, where the AST is first generated from C source codes and then translated into Java. This project earned a score of **98/100**.

Chemical Medicine Management System: a database application written in **PHP**, where the description of chemistry medicine can be created, updated, deleted, and searched, and where users can apply for medicine, while administrators can approve applications.

Lab Website: a website for my lab Advanced Data and Programming Technology lab, which is available at http://adapt.seiee.sjtu.edu.cn/.

Extracurricular Activities

Vice President, SJTU Student Chapter, China Computer Federation   (Jun. 2012 - Jul. 2013)

- Led the executive committee (27 students) and 200+ student members

- Dedicated to (i) the dissemination of computer science knowledge among SJTU students, (ii) the communication among students, teachers, and IT companies.

- Representative of SJTU to attend the **China National Computer Congress**, CNCC 2012.

Captain, School Badminton Team   (Sep. 2011 - Jun. 2014)

- Led a team of 15 badminton athletes.

- Coordinated between the team members and the organizers during the badminton contests.

- Won the Championship twice in SJTU (2011 and 2012).

Interest

- Badminton, psychology, business, reading, cooking, hiking