

Wei Li

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Education Background

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

- Major GPA: **91.05**/100 (**3.95**/4.3) Rank: **5**/130
- **Grade A+** (95+) in **10+** specialty courses including *Discrete Mathematics*, *Data Structures*, *Compiler Principles*, *Operating Systems*, and *Project Workshop of Compiler Principles*.

Research Interest

- Machine Learning, Probabilistic Programming

Research Experience

Project Leader, Chun-Tsung Endowment, Supervisor: Kenny Q. Zhu (Sep. 2013 - present)

- Conducted research on probabilistic programming for advanced machine learning.
- Integrated probabilistic models in programming language semantics.

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

- Conducted research on machine learning and recommender system.
- Built a Personalized Apparel Recommendation System based on image feature extraction and support vector machine.
- This work was selected as one of the **Shanghai Undergraduate Innovative and Practice Projects**, and won the **"Top Ten Thesis"** award in Shanghai Jiao Tong University.

Awards & Honors

- 2010, Excellent Volunteer of the Global Communication Forum.
- 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 from top universities in China).
- 2012, **"Top Ten Thesis"** award in the Undergraduate Innovation and Practice Project of Shanghai Jiao Tong University.
- 2012, Ricoh Scholarship (Top 1% students).
- 2012, Champion of the Badminton Contest in Shanghai Jiao Tong University (team title).
- 2013, **Google Anita Borg Scholarship** (20 undergraduate students in China).
- 2013, China Computer Federation Excellent Undergraduates (2 students are awarded the title in our school).
- 2013, Chun-Tsung Scholars (funded by Zhengdao Li, who won the Nobel Prize in Physics).

Internship Experience

Software 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.

Technical Projects

MapReduce-based PageRank: a **Java** implementation of the PageRank algorithm based on the MapReduce model. It was deployed and evaluated on three Hadoop nodes. 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 such as syntactic analysis using flex and bison, semantic analysis and type checking, code generation, and peephole optimization. This project earned a **full** 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, Advance Data and Programming Technology (ADAPT), which contains the announcements, people, projects, publications, group pictures, etc. The URL is <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 - present)

- 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).

Language Proficiency

- **TOEFL ibt** : 106
- **GRE** : Verbal 148, Quantitative 170, Analytical Writing 4

Interest

- Badminton, reading, coding, hiking