Qinglin Li

Born on June 1, 1993. Male.
Shanghai Jiao Tong University

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Education

- B.S. in Computer Science.   2011.9 - 2015.6 (expected)
  ACM Honored Class, Shanghai Jiao Tong University.

- Mianyang High School.   2008.9 - 2011.6

Personal Experience

- **Research Student**, *BCMI Lab*   2013.7 - present
  Advisor: Prof. Liqing Zhang
  Research Area: Crowd Density Estimation in videos.

- **Teaching Assistant**, *C++ Programming*   2013.9 - 2014.1
  Leader of the TA team.

- **Teaching Assistant**, *C++ Programming*   2012.9 - 2013.1
  Online test maker.

Selected Projects (more details)

- **Ranking Tool Research Capacity in CS**: a project for **Prof. John Hopcroft**'s seminar, which visualizes and compares the CS research productivity, quality and impact of countries and institutions.

- **Nachos Operating System**: a course project written in Java, including threading and multiprogramming, cache and virtual memory, and a self-designed file system.

- **Simulated CPU**: a course project written in verilog, including a full implementation of tomasulo algorithm with buffers. It is able to execute a turing complete subset of MIPS assembly language.

- **C Language Compiler**: a course project written in Java, which supports most features of C Language and targets the MIPS architecture. It contains a full implementation of several optimization.

- **Pathfinding Evaluation Framework**: a visualized framework written in java for evaluating the performance of pathfinding algorithms working on real-world maps.

- **SJTU Online Judge**: (Cooperated with classmates) a publicly available online system written in PHP for testing programs in programming contests, which is used for auto-grading homeworks and exams for several courses and leverages open source softwares such as Linux, nginx, Varnish, MySQL, Redis, memcached, etc.

Awards

- **First Prize** in China's National Olympiad in Informatics in Provinces (NOIP), 2009.

- **Silver Medal** in China's National Olympiad in Informatics (NOI), 2010.

- **Third Prize** in China Undergraduate Mathematical Contest in Modeling (CUMCM), 2013.

Skills

- Basic understanding of Machine Learning and Computer Vision algorithms.

- Languages and Techniques: Ruby, Java, Python, C/C++, Matlab, javascript, PHP, HTML, Rails, etc.

Personal Statement

I'm a student in **ACM Honored Class** of Shanghai Jiaotong University. I started programming around 2003 and I'm experienced in various programming languages and techniques. My primary research area is **machine learning** and **computer vision**. My broader interests include *web development* and *data analysis*. I would devote myself to the research of Artificial Intelligence.