

Jiahao Li

contact

room 3-2-702 shuahu
residential quarter
no. 315 xudong st.
wuhan, hubei, china

+1 (702) 237-0094
+86 18607160420

isundaylee@gmail.com
<http://ljh.me>

languages

native in mandarin
fluent in english

computer skills

c/c++(major),
objective-c, ruby, php,
html/css, python, visual
basic, pascal

interests

music composition

national level 9 (highest)
certificate of jazz drum

national level 8
certificate of piano

education

2013-Present **Tufts University Preparatory Program, Medford, MA**

- Courses: Academic Writing, Academic Reading, Academic Speaking, COMP 163 Computational Geometry (Auditing)

2011-Present **Wuhan Foreign Languages School, Wuhan, China**

High School

- AP Courses: Computer Science A (5), Calculus BC (5), Physics C Mechanics (5), Physics C Electricity & Magnetism (5), Microeconomics (5), Macroeconomics(5), Statistics (5)
- Percentile: Top 1%
- Standardized Tests:
TOEFL: 116 (Reading: 30 Listening: 30 Writing: 29 Speaking: 27)
SAT I: 2340 (Reading: 740 Maths: 800 Writing: 800)
SAT II: 2400 (Math Level II: 800 Physics: 800 Chemistry: 800)

research

Summer 2013 **"Interference Minimization Problem of Computational Geometry"**

Tufts University

- Mentored by Prof. Csaba Toth
- Identified similarities between interference minimization and processor task scheduling.
- Designed and simulated a dynamic programming algorithm for interference minimization.

Summer 2012 **"Cellular Automata"**

Tufts University

- Mentored by Prof. Diane Souvaine & Ph. D. Andrew Winslow

projects

2013 **WFLSSU, Designer and Coder**

A site for my school's Students' Union to manage its membership profiles and to streamline its workflow. Coded with Ruby on Rails. (Link to Code)

2012 **VOCABI iOS App, Designer and Coder**

An iPhone/iPad app for English learners to enlarge vocabulary. (Link to Code)

2012 **WFLSer Alumni Site, Co-Founder, Designer & Coder**

Designed and maintained an alumni socializing site for my high school. Designed development and publicity plans for the site. (Link to Code)

2011 **VIROJ, Designer and Coder**

An online code evaluating system for judging ACM/ICPC style problems.

honors & awards

General

| | |
|------------|---|
| Sept. 2011 | 4th Annual Wenhua Technology Award (top 10 among all high school students in Hubei province) |
| Aug. 2011 | Early acceptance into Peking University School of Electronic Engineering and Computer Science |
| Feb. 2011 | Early acceptance into Xi'an Jiaotong University through talented-youth-early-admission program. Ranked 1st among 1260 applicants. |

Olympiad in Informatics

| | |
|-----------|--|
| Nov. 2011 | 17th National Olympiad in Informatics, 1st Place in Hubei Province |
| Aug. 2011 | 28th National Olympiad in Informatics, First Prize Selected into IOI China National Team Training Camp First Hubei province contestant to win it in 6 years. |
| May 2011 | Asia-Pacific Informatics Olympiad (China Region), Bronze Medal |
| Nov. 2010 | 16th National Olympiad in Informatics, Provincial First Prize |

Olympiad in Mathematics

| | |
|-----------|---|
| Apr. 2013 | American Invitational Mathematics Examination (AIME), score 12/15. USAMO qualifier. Worldwide percentile 97%. |
| Feb. 2013 | American Mathematics Competition (AMC) 12 Distinguished Honor (World-wide Top 1%). |
| Nov. 2012 | High School Mathematical Contest in Modeling (HiMCM), Meritorious Award |

Olympiad in Physics

| | |
|-----------|---------------------------------------|
| Apr. 2011 | National Physics Contest, First Prize |
|-----------|---------------------------------------|

extracurriculars

| | |
|-----------|---|
| 2013 | Volunteer Designer for Shanghai Jinmei's Website <ul style="list-style-type: none"> Designed website for Shanghai Jinmei, a nonprofit organization that aims to support elders with Dementia and help them recover. |
| 2013 | AP Computer Science, Volunteering Instructor <ul style="list-style-type: none"> Taught official school AP Computer Science course. Including Java fundamentals, object-oriented concept and algorithms. Helped 2 students win Second Prize in National Olympiad in Informatics. |
| 2012-2013 | Student Council, Presidential Committee Member & Technical Counselor <ul style="list-style-type: none"> Designed WFLSSU for membership management. Designed and implemented workflow electronization plans. |
| 2009-2011 | Beetle IT Enthusiasts Club, Co-founder <ul style="list-style-type: none"> Developed computer-aided teaching software for teachers. Provided computer programming courses for students. Awarded Most Influential Club Leader. |
| 2004-2010 | School Orchestra, Drummer and Marimba Player <ul style="list-style-type: none"> Performed on major celebrations and festivals on campus. |

publication

[1] Jiahao Li, "From Floyd to SPFA", National Olympiad in Informatics (NOI) Journal, p. 22-23, Dec. 2011. (In Chinese)