

Jiahao Li

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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
Apr. 2010	National Middle School Mathematics League, Second Prize

Olympiad in Physics

Apr. 2011	National Physics Contest, First Prize
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extracurriculars

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 the Most Creative Club at school. • I myself awarded Most Influential Club Leader.
2004-2010	School Orchestra, Drummer and Marimba Player <ul style="list-style-type: none"> • Participated in regular practices. • 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)