

LIU JIACHENG 刘嘉程

BASIC INFO

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EDUCATION

The High School Affiliated to Renmin University of China (senior high)
[09/2013 – 07/2016]

The High School Affiliated to Renmin University of China (junior high)
[09/2010 – 07/2013]

LANGUAGES

Familiar with C, C++, C#, Objective-C

Exposed to Python, Java, LISP, Matlab, HTML

PROJECTS

Young Talent Program at Tsinghua University, student researcher

Cooperated on researches with Professor Wei Xu, Tsinghua University; explored data mining, found patterns in e-commerce data and improved recommendation algorithms with novel ideas; wrote paper on findings and gave presentation to distinguished scholars.

Consulted on and cooperated with Professor Wei Xu on project "An Algorithm of Academic Ability Assessment and Usage in Adaptive Presentation of Homework Exercises"; wrote paper and presented in school science club; won 2nd prize in Best Intercollegiate Research Program.

Microsoft Imagine Cup Contest, team leader

Established and led "Owimo" software studio and designed an evolutionary 3D Parkour game "Celltrix"; extended to a brand new dimension for traditional Parkour Game; won "Most Promising Group" in the Microsoft Imagine Cup Game Design Contest.

Lightning Protection Risk Assessment, designer and programmer

Constructed an algorithm on assessing the necessity of lightning protection measures on structures given the formulas from my father's work, implemented with Objective-C, put on sale on App Store and gained number of downloads.

CAS Institute of Computing Technology, student intern researcher

Explored in the field of visual target localization and tracking; researched and applied the algorithm, and shared findings in presentation.

Stanford FSI, student intern researcher

Collaborated with REAP program on examining effect of online learning on rural students; made navigation webpages and ameliorated learning software.

AWARDS

In National Olympiad in Informatics (NOI 2014): Silver medal

In National Olympiad in Informatics in Provinces for 3 consecutive years (NOIP 2012-2014): First Prize

In Harvard-MIT Math Tournament (HMMT 2015 Feb): team rank 3 in Sweepstakes, rank 3 in Team Test, and rank 6 in Guts Round

In Stanford Math Tournament in China (SMT-China 2014): Gold Medal in Overall Team Award, Gold Medal in Power Round, Gold Medal in Team Test, and individual Top Ten in Algebra, Geometry and Advanced Topic