AlfredXue
Software Engineer

about
436 Mayfield Avenue
Stanford CA, 94305

axue@stanford.edu
alfredxue.me

languages
English
Conversational Chinese

programming languages
C/C++
Java
Python
Ruby

interests

Distributed Systems, Parallelization, Computer Networking, (Distributed) Algorithms, AI

education

2013-2017	**Bachelor** candidate in Computer Science Theory track GPA 3.7/4.0	Stanford University
2009-2013	**Graduate** Rank 5/800 GPA 4.0/4.0 SAT 2310/2400	Hamilton High School

experience

06-09 2015	**Quantcast, San Francisco, CA** *Developed a file transfer system to support terabytes of data and hundreds of machines.*	Software Engineer Intern
06-09 2014	**TCL Research America, San Jose, CA** *Worked on video aliginment software.*	Software Engineer Intern
06–08 2013	**ASU Biodesign Lab, Tempe, AZ** *Analyzed the results from the STAR*D depression study.*	Research Internship.

projects and awards

2015	**TCP Shrew Attack Reproduction** Reproduced a denial of service attack that takes advatnage of the built in RTO in certain TCP implementations.	alfredxue.me/TCP.html
2014	**LOLdreams** Worked on a (now defunct) website that analyzed League of Legend games to recommend champions to play given champions already seelcted by your team.	
2012	**ISEF finalist** Created a mathematical model of a global virus outbreak and using a stochastic time-based method to find the direction of spread of the disease and test the efficiency of quarantines Won local awards including the Grand Prize and Army award at the Arizona Science and Engineering Fair	
2012	**Arizona State Math Contest Winner** Placed first in the AATM Arizona State Math Contest	