

AlfredXue

Software Engineer

about

436 Mayfield Avenue
Stanford CA, 94305

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alfredxue.me

languages

English
Conversational Chinese

programming languages

C/C++
Java
Python
Ruby

coursework

Beyond Worst Case
Analysis
Optimization Paradigms
Advanced Topics in
Networking
Operating Systems
Machine Learning

objective

Alfred seeks a systems related internship opportunity where he can build powerful distributed systems and learn modern production paradigms.

skills

Alfred has both coursework and industry experience in distributed systems design and has a strong theoretical background in algorithm design and analysis.

education

2013-2017	Bachelor's of Science 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. Worked with development tools including Puppet and Jenkins.	Software Engineer Intern
06-09 2014	TCL Research America, San Jose, CA Worked on video alignment 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 advantage of the built in RTO in certain TCP implementations.	alfredxue.me/TCP.html
2014	LOL dreams Worked on a (now defunct) website that analyzed League of Legend games to recommend champions to play given champions already selected by your team.	
2012	ISEF finalist Created a mathematical model of a global virus outbreak 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	

