

JOSHUA CAI
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SUMMARY

McDermott Scholar at University of Texas at Dallas interested in web/mobile app development and graph theory.

EDUCATION

University of Texas at Dallas	Aug 2012-May 2016
B.S. in Computer Science, B.S. in Mathematics	GPA: 4.0 (out of 4.0)
University of North Texas	Aug 2010 - May 2012
Attended during high school for dual credit through the TAMS program	GPA: 4.0 (out of 4.0)

EXPERIENCE

Software Developer Intern, Random Logics (Big Data Analytics)	Aug 2013 - Present
<ul style="list-style-type: none">• Front end development using Twitter Bootstrap and D3.js• Back end development using Java through the Play framework and Cassandra database	
Arts and Technology Intern, University of Texas at Dallas	June 2012 - Aug 2012
<ul style="list-style-type: none">• Converted CSS to LESS code for the UTD Arts and Technology Department website• Worked on responsive design using CSS3 media queries	
Undergraduate Research Assistant, University of North Texas	Sep 2011 - May 2012
<ul style="list-style-type: none">• Examined a subspace variant of the Middle Levels Problem• Determined the number of Hamiltonian cycles in some of the bipartite graphs generated	

PROJECTS

Personal Blog	Aug 2013
<ul style="list-style-type: none">• Developed own blog application with the Django (Python) framework• Server hosted on personal Raspberry Pi using Gunicorn and Nginx	
Resume Builder	Jan 2013
<ul style="list-style-type: none">• Built open-source online resume maker using PHP through the CodeIgniter framework• Used MySQL for database management and Twitter Bootstrap for site layout• Git for version control and online collaboration	
Intro to Engineering and Computer Science Project	Nov 2012 - Dec 2012
<ul style="list-style-type: none">• Developed a basic first-person shooter in Game Maker• Added onlinetwo player mode using 39dll	

SKILLS

Languages: C/C++, Java, Python, Ruby
Web Development: HTML, CSS/LESS, MySQL, MongoDB, Django, Node.js, Bootstrap, JavaScript, Heroku
Other: UNIX Shell Scripting, Git, SVN, LaTeX, Game Maker Language

HONORS & AWARDS

Putnam Math Competition Score: 10	December 2012
Presented at CombinaTexas Conference	April 2012
Perfect SAT Score (2400 single sitting)	October 2011
Presented at TAMS Research Poster Session	October 2011
Julian C. Stanley Scholarship	September 2011
NSF Research Training Group Fellow (at UNT)	June 2011 - Aug 2011
TAMS Summer Research Scholarship	June 2011 - Aug 2011
Presented at UNT Scholar's Day Poster Session	April 2011

COURSEWORK

Computer Architecture	Software Engineering
Technical Communication	Graph Theory
Operating System Concepts	Advanced Algorithm Design
C/C++ Programming in UNIX	Automata Theory