

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

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

EXPERIENCE

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| Software Developer Intern, Random Logics (Big Data Analytics) <ul style="list-style-type: none">• Front end development using Twitter Bootstrap and D3.js• Back end development using Java through the Play framework | Aug 2013 – Dec 2013 |
| Arts and Technology Intern, University of Texas at Dallas <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 | June 2012 - Aug 2012 |
| Undergraduate Research Assistant, University of North Texas <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 | Sep 2011 - May 2012 |

PROJECTS

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| Personal Blog <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 | Aug 2013 |
| Resume Builder <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 | Jan 2013 |
| Intro to Engineering and Computer Science Project <ul style="list-style-type: none">• Developed a basic first-person shooter in Game Maker• Added online two player mode using 39dll | Nov 2012 - Dec 2012 |

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

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| 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
Technical Communication
Operating System Concepts
C/C++ Programming in UNIX

Software Engineering
Graph Theory
Advanced Algorithm Design
Automata Theory