

# Joshua R. Hoak

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<b>Education</b>	B.A., Mathematics, May 2009 Reed College, Portland, OR Thesis in Computational Complexity: <i>Mathematical Games</i> Cumulative GPA: 3.24	
	Post Baccalaureate Education, Computer Science, 2009 – 2010 Portland State University, Portland, OR Cumulative GPA: 3.83	
<b>Skills</b>	X86-Assembly, Bash, C, CSS, Java, HTML, L <sup>A</sup> T <sub>E</sub> X, Perl, Python	
<b>Coursework</b>	<b>Current Classes</b>	<b>Past Classes</b>
	<ul style="list-style-type: none"><li>• Machine Learning</li><li>• Counting, Probability, and Computing</li><li>• Introduction to Languages and Compilers (2nd quarter)</li><li>• Cryptography Reading Group</li></ul>	<ul style="list-style-type: none"><li>• Cryptography</li><li>• Introduction to Operating Systems</li><li>• Introduction to Languages and Compilers</li><li>• Topics in Computing Systems (using AVR controller) (Reed)</li></ul>
<b>Experience</b>	<b>Volunteer, Free Geek</b> , Portland, OR <span style="float:right">Fall 2009</span> <ul style="list-style-type: none"><li>• Tested and installed components and peripherals in computers rebuilt with Linux.</li><li>• Ensured quality of the completed computers before donation or sale.</li></ul>	
	<b>Grader, Multivariable Calculus</b> , Reed College, Portland, OR <span style="float:right">Fall 2008</span> <ul style="list-style-type: none"><li>• Commented on and scored weekly Multivariable Calculus problem sets.</li></ul>	
	<b>Sales Assistant, Classic Pianos</b> , Portland, OR <span style="float:right">Spring 2007 – Fall 2007</span> <ul style="list-style-type: none"><li>• Designed graphics and spreadsheets that illustrated growth and sales.</li><li>• Advised prospective customers on selecting an ideal piano for their needs.</li></ul>	
<b>Personal Experience</b>	<b>Go Typesetting Project</b> <span style="float:right">Summer 2009 – Present</span> <ul style="list-style-type: none"><li>• Used Perl, Python, and Bash to develop a Go typesetting system that transformed Go SGF-files (list of coordinates) into vector graphics (Encapsulated-Postscript).</li><li>• Used the above system to typeset two Go problem-books, each having roughly 200 problems.</li></ul>	
	<b>Founder and Organizer, Go Club</b> , Reed College <span style="float:right">Fall 2007 – Spring 2009</span> <ul style="list-style-type: none"><li>• Organized weekly meetings and bi-weekly go nights devoted to study and practice of Go (the Chinese game of strategy).</li><li>• Wrote a series of introductory articles on Go for the Reed newspaper, <i>The Quest</i>.</li></ul>	