

## Austin B. Ralls

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<b>Education</b>	Rensselaer Polytechnic Institute: <ul style="list-style-type: none"><li>- Studying for a Bachelors of Science in Computer Science</li><li>- GPA of 3.75</li><li>- Estimated graduation in 05/2017</li></ul>	09/2013-Present
<b>Work experience</b>	IT Intern, The Aldridge Company, Houston, Texas: <ul style="list-style-type: none"><li>- Used a network mapping tool to inventory all of the servers and documented their functions</li><li>- Wrote Tcl Expect script to push security changes out to The Aldridge Company servers</li><li>- Updated password files and account permissions on FreeBSD</li></ul>	07/2012-08/2012
	IT Intern, The Aldridge Company, Houston, Texas: <ul style="list-style-type: none"><li>- Configured multiple servers for networking</li><li>- Automated tasks like clearing caches regularly with scripts</li></ul>	08/2011-09/2011
<b>Projects</b>	File Upload Website (Javascript, Go) <ul style="list-style-type: none"><li>- Publicly accessible at <a href="http://watfile.com">http://watfile.com</a></li><li>- Reworked user interface and assisted with application server</li></ul>	12/2013-current
	Science Olympiad: Code Busters Test <ul style="list-style-type: none"><li>- Wrote test and revised rules for the state of Virginia</li><li>- Teaches middle and high school students about cryptanalysis</li></ul>	12/2013-02/2014
	CIE xyY Color Space Visualizer (Mathematica) <ul style="list-style-type: none"><li>- Published to the Mathematica Demonstration Project</li><li>- Shows 3D projection of the color spectrum that the human eye can see</li></ul>	05/2013-06/2013
	XOR Block Cipher Cracker (Python) <ul style="list-style-type: none"><li>- Generates possible plaintexts when it contains mostly ASCII data</li><li>- Applied successfully in security competitions</li></ul>	09/2013-10/2013
	Windows Hardening Tool (Python) <ul style="list-style-type: none"><li>- Written for automation of CyberPatriots competition</li><li>- Managed disabling telnet, enabling firewall, checking the shell location, and other common tasks on Windows</li></ul>	10/2012-11/2012
<b>Activities</b>	RPISec: <ul style="list-style-type: none"><li>- Attend sessions learning buffer overflows, memory corruption, and other security skills</li><li>- Placed 8<sup>th</sup> overall in the CSAW competition finals</li></ul>	09/2013-Present
	Computer Security Competition Club of Thomas Jefferson High School for Science and Technology: <ul style="list-style-type: none"><li>- Held Senior member position and taught the incoming underclassmen</li><li>- Competed in:<ul style="list-style-type: none"><li>o CyberPatriots, in which the team secured a virtual machine from attacks and made it to the third round of competition</li><li>o Pico CTF, where the team of four students placed <b>2<sup>nd</sup> in the nation</b></li></ul></li><li>- Placed in the top 10 for the project 2 CTF at DEF CON 21</li></ul>	09/2011-09/2013