

# Ravikumar Chimmalgi

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<b>Education</b>	<b>Master of Science, Engineering Science</b> (Aug 2015) <b>Information Technology Engineering Concentration</b> Louisiana State University, Baton Rouge, LA Thesis: Automated Conversion of Text Instructions to Human Motion Animation GPA : 3.4			
	<b>Bachelor of Science, Computer Science</b> (Aug 2011) Louisiana State University, Baton Rouge, LA			
<b>Work Experience</b>	<b>Freelance Web Developer</b> (Fall 2015) <ul style="list-style-type: none"><li>Designed and developed a responsive website for FireWatch America, LLC (<a href="http://www.firewatchamerica.com">www.firewatchamerica.com</a>)</li></ul>			
	<b>Graduate Assistant – LSYOU, LSU</b> (Jan 2013 – Aug 2015) <ul style="list-style-type: none"><li>Database Administrator &amp; Web Developer</li><li>Duties: analyze data &amp; generate reports; develop web components, queries, store procedures; manage IT</li></ul>			
	<b>Research Intern – Technology Engineers Inc., Baton Rouge, LA</b> (Fall 2012) <ul style="list-style-type: none"><li>Analyzed and developed recommendations for cross-platform mobile development</li><li>Created SOAP &amp; REST web-services to perform transactions on SQL database</li><li>Created Android and Windows Phone 7 mobile applications invoking the above web-services</li></ul>			
	<b>Instructor/Tutor – Middleton SITE (LSU ITS)</b> (Feb 2010 – Aug 2011) <ul style="list-style-type: none"><li>Taught computer classes to students in Java/C++/C/Python, Microsoft Office</li></ul>			
	<b>Student Researcher – La- ACES Program, LSU Physics Dept.</b> (Sept 2007 – May 2008) <ul style="list-style-type: none"><li>Part of a team that built, flew, and retrieved a scientific high altitude balloon payload called Ned (Neutron Detector)</li><li>Responsible for the software development and systems integration for the payload</li></ul>			
	<b>Class Projects</b>			
	<b>MazeRunner: Reinforcement Learning vs Heuristic Functions</b> (Fall 2013) <ul style="list-style-type: none"><li>Implemented and compared a reinforcement learning algorithm, Q-Learning, against other algorithms like A* search, DFS, random DFS etc. for an efficient autonomous maze solver (Java)</li></ul>			
	<b>SouthernMarsh.com, Baton Rouge, LA</b> (Fall 2012) <ul style="list-style-type: none"><li>Analyzed and used Shopify and Fishbowl APIs to sync Shopify online-store database and on-site Fishbowl Inventory Management System (VB.NET)</li></ul>			
	<b>Improving Genetic Algorithm for Tetris AI</b> (Spring 2012) <ul style="list-style-type: none"><li>Improved an existing algorithm by modifying the fitness function and running simulations with different mutation rates (Java)</li></ul>			
	<b>Subway Ordering Interface for Touch Screen Kiosks</b> (Spring 2012) <ul style="list-style-type: none"><li>Created a GUI meant for touch screen kiosks for ordering sandwiches (JavaScript)</li></ul>			
	<b>LSYOU GEAR-UP LSU Web-Application</b> (Fall 2011) <ul style="list-style-type: none"><li>Updated old web application and created a more organized and user friendly interface for management of high school students in LSYOU program</li></ul>			
	<b>GitHub:</b> <a href="https://github.com/RaviChimmalgi">https://github.com/RaviChimmalgi</a>			
<b>Skills</b>	<b>Languages</b> <ul style="list-style-type: none"><li>Java</li><li>C#</li><li>SQL</li><li>VB.NET</li><li>C++</li><li>Python</li></ul>	<b>Web Technologies</b> <ul style="list-style-type: none"><li>HTML</li><li>CSS</li><li>JavaScript</li><li>Bootstrap</li><li>ASP.NET</li><li>SOAP/REST</li><li>AJAX</li></ul>	<b>Software</b> <ul style="list-style-type: none"><li>NetBeans &amp; Eclipse</li><li>Adobe Fireworks</li><li>SQL Server Management Studio</li><li>SQL Server Integration Services</li><li>Adobe Dreamweaver</li><li>Adobe InDesign</li></ul>	<b>Other</b> <ul style="list-style-type: none"><li>SVN/Bazaar</li><li>SAS Enterprise Miner</li><li>Unity 3D</li><li>Autodesk Maya</li><li>ArcGIS</li><li>MATLAB</li></ul>
<b>Graduate Coursework</b>	<ul style="list-style-type: none"><li>Advanced Information Systems Design</li><li>Distributed Information Systems Engineering</li><li>Machine Learning</li><li>Human Interactions with Computers</li><li>Intro to Data Mining</li><li>Advanced Geographical Information Systems</li></ul>			