Ravi Chimmalgi

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**Education**

**Udacity** – *Senior Web Developer Nanodegree* In progress  
 **Louisiana State University, Baton Rouge** – Engineering Science, M.S. August 2015  
 **Louisiana State University, Baton Rouge** – Computer Science, B.S. August 2011

**Technical Skills** [\*\*\*proficient | \*\*medium proficiency | \*prior experience]

*Languages:* Java \*\*\*, C# \*\*\*, SQL \*\*\*, HTML5 \*\*\*, CSS3 \*\*\*, JavaScript \*\*, VB.NET \*\*, C++ \*, Python \*   
 *Frameworks/Libraries/Tools:* ASP.NET, jQuery, Bootstrap, Gulp   
 *Other:* Git/GitHub, Fireworks, Atom, Visual Studio, NetBeans, DNN, Firebase, ArcGIS

**Project Experience**

**LetzMeet** – <http://ravichimmalgi.github.io/LetzMeet/index.html> *April 2016*

* Built a responsive web application using Bootstrap and Firebase, and hosted on GitHub Pages.
* Users can login and create & view meet-up events.
* *Technologies used:* HTML,CSS, JavaScript, Bootstrap, Firebase

**FireWatch America** – <http://firewatchamerica.com> *December 2015*

* Built a responsive website for FireWatch America LLC using Bootstrap and DNN.
* Researched and created website content & branding.
* *Technologies used:* HTML,CSS, JavaScript, Bootstrap, DNN, VB.NET

**Automated Conversion of Text Instructions to Human Motion Animation** – *August 2015*

* Created a graph with 213 pose nodes and 355 animation links from 100 workout instructions.
* Built a web-app for user evaluation of the animation sequence generation algorithm.
* *Technologies used:* C#.NET, SQL Server, HTML, JavaScript, Unity, Stanford Parser, NLP

**MazeRunner** – https://github.com/RaviChimmalgi/Maze-Solver *December 2013*

* 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
* *Technologies used:* Java

**Inventory Integration** – https://github.com/RaviChimmalgi/fishbowl-shopify *December 2012*

* Built a prototype system using VB.NET to sync Shopify’s cloud database and Fishbowl database.
* *Technologies used:* VB.NET, Shopify and Fishbowl APIs

**WCF SOAP & REST** – https://github.com/RaviChimmalgi/WCF-SOAP *December 2012*

* Created SOAP & REST web-services to perform transactions on a SQL database.
* Created Windows, web, Android and Windows Phone 7 applications invoking the web-service.
* *Technologies used:* VB.NET, SQL, WCF, Java, ADO.NET

**Work Experience**

**Freelance –** *Web Developer* Baton Rouge, LA | *October 2015 – January 2016*

* Built a professional responsive website for a startup company with a goal of attracting clients and investors.

**Louisiana State University** – *Graduate Assistant* Baton Rouge, LA | *January 2013 – August 2015*

* Periodically maintained and updated database, .NET web-app and website for the LSYOU Program.
* Analyzed data of more than 200 program participants and generated weekly & monthly performance reports.
* Submitted detailed data reports of 2076 students with 23 columns to funding agencies annually.

**Technology Engineers Inc.** – *Research Intern* Baton Rouge, LA | *September 2012 – December 2012*

* Created 6 applications and 2 web-services to experiment with cross-platform mobile development using Service Oriented Architecture.
* Successfully submitted a recommendation report for reusing old .NET code across mobile platforms which can save coding hours.