

SUSAN SOUZA

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EDUCATION

Bachelor of Science in Computer Science

May 2016

[University of Massachusetts Lowell](#)

GPA: 3.46

Honors: Dean's List Fall 2013, Spring 2014, 2015 & 2016; Multiple Scholarships 2014-16

Bachelor of Fine Arts in Interactive Design and Game Development

November 2011

[Savannah College of Art and Design](#)

GPA: 3.24

Honors: Dean's List Winter 2010, Fall 2011; Academic Scholarship, Fall 2007- 2011

LANGUAGES, LIBRARIES & FRAMEWORKS Angular Material, AngularJS, C, C++, CSS3, HTML5 Canvas and SVG, HTML5, JavaScript, JSON, MySQL, Python, SQL, Three.js, Twitter Bootstrap, Unit Tests with Karma & Jasmine, XML

TOOLS & SOFTWARE Adobe Creative Suite 5, After Effects, Atom, Autodesk Maya, Bower, Git, Grunt, Gulp, Inkscape, IntelliJ IDEA, Microsoft Office Suite, Microsoft Visual Studio, Unity3D, Unreal Engine 3, ZBrush

EXPOSED TO Agile development, ES6, JIRA & Confluence, MongoDB, Netbeans, NodeJS, Perl, Scheme, TDD

PROFESSIONAL EXPERIENCE

[CLASS, University of Massachusetts Lowell](#)— Lowell, Massachusetts

September 2014- May 2016

University Peer Tutor, Computer Science, Core Introductory Courses

- Guided students to a better understanding of concepts from class
- Helped with debugging techniques, C and C++ syntax
- Worked with students to break down problems into manageable chunks

[Crescendo Content Marketing](#)— Woburn, Massachusetts

July 2015- August 2015

Engineering Co-op (Intern)

- Worked in Agile environment to increase unit test coverage across entire project front end by over 10%
- Promoted and maintained code cleanliness and integrity across code-base

[Percussion Software](#)— Woburn, Massachusetts

May 2015- June 2015

Engineering Co-op (Intern)

- Worked to bring skills to professional level and contributed to initial design of an internal administration tool
- Helped train fellow interns in understanding of front-end development and programming skills
- Collaborated with fellow interns on several small, single-page applications for learning purposes

[University of Massachusetts Lowell](#)— Lowell, Massachusetts

September 2014- December 2014

Grader, Computer Science

- Reviewed code for correctness, for errors and against rubric; gave feedback

PROJECT EXPERIENCE

[ASL-to-Text](#) (ASL alphabet transcriber using the LeapMotion and Python)

January- May 2016

Programmer

- Streamlined sign data collection process from Leap API for datasets used for a machine learning algorithm
- Prevented display of an abundance of pre-emptive matches for improved accuracy
- Set method for inserting whitespace delimiters on natural pauses
- Structured app using MVC design pattern and maintained overall project structure

[Tiles](#) (Little tile puzzles on my website with HTML5 Canvas)

January 2016

Programmer/Designer

- Designed and implemented puzzle game
- Created editor for further puzzle designs

[Dinner Wizard](#) (Interactive Meal Suggestion Application, AngularJS)

January- May 2015

Programmer/Designer/UI

- Designed and implemented front end
- Provided all ingredient and combination data
- Wrote project proposal, status reports and test documents

[Those Darn Dastardly Dragon Attacks!](#) (Text-based Game in C++)

Summer 2014

Programmer/Designer

- Designed and implemented castle defense and management game

VOLUNTEER EXPERIENCE

[Windham Nesmith Library](#)—Windham, New Hampshire

July 2006- present

Library Volunteer, Re-circulation

- Murray Levin Volunteer of the Year Award received April 2015

[MSPCA at Nevins Farm](#)— Methuen, Massachusetts

August 2013- May 2015

Volunteer, Cat Caretaker

OTHER SKILLS Theatrical makeup design, cash register operation, some conversational French