

EDUCATION

University of Southern California, Los Angeles, CA <i>B.S. in Computer Science</i> Cumulative GPA: 3.5	2015-2019
Wauconda High School, Chicago, IL Cumulative GPA: 4.7 ACT: 35	2011-2015

WORK EXPERIENCE

USC Institute for Creative Technologies: Research Assistant <ul style="list-style-type: none">Implemented methods of natural language processing to provide live responses to questionsUtilized design and programming skills to create effective interactive software to educate youthApplied mentorship and personal experience to develop content to benefit potential STEM students	October 2016- Current
USC Leonard Davis School of Gerontology: Website Manager <ul style="list-style-type: none">Redesigned outdated code to improve functionality and user experienceCreated and maintained websites using HTML and CSS	August 2016- October 2016
iD Tech Camps: Lead Instructor <ul style="list-style-type: none">Taught children ages 10-17 Python programmingProvided leadership to a team of instructorsLed and organized events and activities for groups of 100+ kids	May 2016- August 2016

TECHNICAL SKILLS

- Languages:** C++, Java, Python, JavaScript, HTML/CSS
- Platforms:** Windows, Ubuntu, Mac OS
- Software:** Git/GitHub, WordPress, SketchUp, FTP servers, MAMP/Photoshop, FFmpeg, SoX, InDesign
- IDEs:** Eclipse, Sublime, EMACS, Dreamweaver, TextWrangler, PyCharm
- Services:** PC hardware and software support, web and graphic design, teaching programming

PROJECTS

- NLP/State Based Systems - Current**
 - Natural language processing with recorded audio transcribed with IBM Watson and CMUPocketSphinx
 - State based interactive system to respond to questions with strategically mapped responses
 - Data analysis of responses and accuracy modeling by user input
- Scrabble (Backtracking, GUI, Inheritance) - Fall 2016**
 - Developed class inheritance and file processing back-end, and created a GUI for Scrabble front-end (C++)
 - Implemented multiple CPUS using recursive backtracking algorithms

EXTRACURRICULARS

LavaLab: Developer <ul style="list-style-type: none">Developed a mobile iOS application to market as a daily journal and wellness logPrototyped, developed, marketed, and presented the idea to business leaders	January 2017- Current
SC Outfitters: Guide <ul style="list-style-type: none">Responsible for planning and leading outdoor trips for USC students	August 2016- Current
Engineers Without Borders: Membership Chair <ul style="list-style-type: none">Managed recruitment and member relations and increased membership by over 30% in one year	August 2015- May 2016