

EDUCATION

University of Southern California, Los Angeles, CA

2015-2019 B.S. in Computer Science | Cumulative GPA: 3.5

Wauconda High School, Chicago, IL

2011-2015 Cumulative GPA: 4.7 | ACT: 35

WORK EXPERIENCE

USC Institute for Creative Technologies: Research Developer

October 2016- Current

- Implemented natural language processing and trained a language model to provide live responses to questions
- Prototyped and designed a desktop GUI to educate youth through interactive mentorship
- Innovated with a 6-person team using an agile framework for performance optimization

USC Leonard Davis School of Gerontology: Full Stack Web Developer

July 2016- October 2016

- Redesigned outdated code to improve functionality and user experience
- Developed and maintained interactive websites using HTML, CSS, JavaScript, and Java

iD Tech Camps: Lead Instructor

May 2016- August 2016

- Taught children ages 10-17 Python programming
- Provided leadership to a team of instructors and organized events and activities for groups of 100+ kids

PUBLICATIONS

- Critical Thinking Training: Proven New Technologies for Engaging DoD Personnel ITSEC 2017
- Patent Law and Defense Technology: Original Intent and Current Practice ITSEC 2017
- MentorPal: Interactive Virtual Mentors Based on Real-Life STEM Professionals ITSEC 2017
- Enabling Computer Generated Interactive Conversation: New Technologies Address Turing's Challenge SIW 2017

TECHNICAL SKILLS

- Languages: C++, Java, Python, JavaScript (jQuery, AJAX), HTML/CSS (Bootstrap, AngularJS, Material), SQL, Swift
- Platforms: Windows, Mac OS, Linux (Ubuntu and Fedora)
- Software: Git/GitHub, WordPress, FTP software, FFmpeg, SoX, InDesign, Photoshop/MAMP, various APIs
- IDEs: Eclipse, Sublime, EMACS, Dreamweaver, TextWrangler, PyCharm, MySQL Workbench
- Other: API integration, AJAX, JSON/XML parsing, IT hardware and software support, web and graphic design, teaching programming

PROJECTS

- NLP/State Based Systems - Current
 - Designed and trained a language model to respond to live user utterances
 - State based interactive system to respond to questions with ranking-based mapped responses
 - Analyzed large data sets of responses and accuracy modeling by user input
- Web Design (HTML, CSS, JavaScript, Java, SQL) – Spring 2017
 - Developed a mock-investment website using Bootstrap and jQuery, Java, and SQL
 - Collaborated with 4 developers to produce documentation, detailed design, and frameworks

EXTRACURRICULARS

LavaLab: Developer

January 2017- Current

- Developed a mobile iOS application to market as a daily journal and wellness log
- Prototyped, developed, marketed, and presented the idea to business leaders

SC Outfitters: Guide

August 2016- Current

- Responsible for coordinating and leading outdoor weekend and academic break excursions for USC students