

## EDUCATION

### University of Southern California

*Bachelor of Science: Major in Computer Science, Minor in English*

May 2020

3.99 GPA

- Trustee Scholar (Full-Tuition Scholarship), National Merit Scholar
- WVT Rusch Engineering Honors Program, Viterbi Fellow, Dean's List

## RESEARCH EXPERIENCE

### USC INK Lab, Merit Research Fellow, Undergraduate Honors Thesis

Sep 2019 - present

- Implemented novel distantly-supervised machine learning techniques that use trigger phrases to recognize named entities in sentences
- Leveraged auxiliary learning techniques to increase the effectiveness of neural networks in recognizing named entities in sentences by training towards multiple, related goals

### USC Interaction Lab, Merit Research Fellow

Jan 2017 - May 2017

- Designed receptacles for robots and parts using Solidworks

### Oregon State University Chemical Engineering Lab, Research Intern

Jun 2015 - Aug 2015

- Fabricated microfluidic devices to measure extensional viscosity using 3D printing, photolithography, and soft lithography
- Presented at the Apprenticeships in Science and Engineering Symposium

## TEACHING EXPERIENCE

### USC Viterbi CSCI 103, 170, and 270 Teaching Staff, Course Producer

Aug 2017 - present

- CP for Intro to Algorithms, Discrete Methods in Computer Science, Intro to Programming
- Taught weekly lab and discussion sections, created course content and supplemental materials, held office hours, graded assignments, and proctored and graded exams

### USC Troy Camp, Counselor

Aug 2018 - present

- Tutored and led mentoring programs for elementary and high school students
- Led a cabin of ten 4th grade boys during a week-long sleep away camp

### USC Joint Educational Program and USC Project 32, Classroom Assistant

Aug 2016 - Dec 2017

- Assisted in an 8th grade math class and a 12th grade study hall
- Taught a mini-course on poetry in a 5th grade English class

### USC Robogals, Events Chair

Jan 2017 - Dec 2017

- Engaged young students in STEM through Lego robotics and engineering workshops

## INDUSTRY EXPERIENCE

### Microsoft, Software Development Intern

May 2019 - Aug 2019

- Integrated Office documents into the Microsoft Whiteboard App
- Spanned product management, design, business operations, and software development
- Created code actions for Q# (Microsoft's Quantum language) within VS Code

### Facebook, Software Development Intern

May 2018 - Jul 2018

- Implemented a new approach to app event tracking within Facebook's SDK for iOS apps
- Worked server-side and app-side for full stack development
- Designed a new timeline privacy setting as a Hackathon project

### Metro Paws, Product Design Intern

May 2017 - Jul 2017

- Researched, interviewed, and selected alternate manufacturing facilities
- Redesigned a doggy bag dispenser and designed a cat bed and display using AutoCAD
- Researched alternate, eco-friendly materials

### AthenaHacks, Runner-up for best iOS app

Apr 2017

- Created a "choose your own adventure" iOS app to teach children about bullying

### USC 3D4E, Lab Tech

Jan 2017 - May 2017

- Held weekly lab hours to assist members with 3D printing

## SKILLS

- C++, C#, PHP, Java (*intermediate*)
- Solidworks, CAD, 3D Printing (*intermediate*)
- Obj-C, Python, Prolog, Racket, JavaScript, React (*basic*)
- Woodworking, Machining, Welding (*intermediate*)
- SQL, Networking (*basic*)
- Analytical and Creative Writing, French (*intermediate*)

## INTERESTS

USC Triathlon Team, USC Outdoors Club (*guide*), Creative Writing (*published*), Piano