

Ryan Moreno

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EDUCATION

University of Southern California

Dec 2020

Bachelor of Science, Computer Science

3.99 GPA

Bachelor of Arts, English (Creative Writing)

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

WORK EXPERIENCE

USC Viterbi CSCI 103, 170, and 270 Teaching Staff

Aug 2017 - present

Course Producer

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

Microsoft

May 2019 - Aug 2019

Software Development Intern

- Created a new feature within the Whiteboard app (details held until feature release)
- Created code actions for Q# (Microsoft's Quantum language) within VS Code

Facebook

May 2018 - Jul 2018

Software Development Intern

- Developed a new approach to app event tracking within Facebook's SDK for iOS apps
- Designed a new timeline privacy setting as a Hackathon project
- Full stack development

Metro Paws

May 2017 - Jul 2017

Product Design Intern

- 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

USC Interaction Lab

Jan 2017 - May 2017

Merit Research Fellow

- Designed receptacles for robots and parts using Solidworks

Oregon State University Chemical Engineering Lab

Jun 2015 - Aug 2015

Research Intern

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

SKILLS

- C++, C#, PHP, Java (*intermediate*)
- Objective-C, JavaScript, Python, Prolog, Racket (*basic*)
- SQL, Networking (*basic*)
- Solidworks, CAD, 3D Printing (*intermediate*)
- Woodworking, Machining, Welding (*intermediate*)
- French (*intermediate*)

ACADEMIC ORGANIZATIONS

Athena Hacks, runner-up for best iOS app

Apr 2017

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

USC Robogals, Events Chair

Jan 2017 - Dec 2017

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

USC Joint Educational Program and USC Project 32

Aug 2016 - Dec 2017

- Assisted in an 8th grade math class and a 12th grade AVID class
- Taught a mini-course in a 5th grade english class

USC 3D4E, Lab Tech

Jan 2017 - May 2017

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

INTERESTS

USC Triathlon Team, USC Troy Camp (K-12 mentoring program), Backpacking, Piano