

# Simon Zhang

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## EDUCATION

### University of Southern California

Sept 2019 - Dec 2022

Viterbi School of Engineering, Computer Science

**Relevant Coursework:** Calc III, Linear Algebra, Linear Differential Equations, Intro to Computer Science, Data Structure in Java, Discrete Math

GPA: 3.92

## WORK EXPERIENCE

### Columbia University IT - Casual Student Employee

April 2020 - Present

- Helped update and migrate the Electrical Engineering, WEAI, ILAS, and OGC site using Drupal

### Sterling Medical Devices - Software Engineer Intern

August 2018 - August 2019

- Created a web app based plugin for an ALM software (Polarion) using HTML/CSS, JavaScript, Java, and JSP to improve project management
- Features include document verification, work record input form, training quizzes and documentation, and export to PDF
- Debugged existing external scripts for Polarion

### HuaXia Bergen Chinese School - CS and Math Teacher

March 2016 - May 2019

- Taught a Computer Science class that covered web design and Python scripting
- Taught 2 math classes covering Algebra and Geometry topics
- Weekly on Sundays, students from 3rd to 8th grade

## EXTRACURRICULARS

### Rebuild Our Shops - Founder

October 2019 - Present

- Created a webpage using HTML, CSS and JavaScript that curates information on locally owned businesses seeking COVID relief or were looted
- Working on feature that allows users to find and support locally owned stores nearby using Google Maps API

### USC Solar Car Team - Mechanic and Programmer

October 2019 - Present

- Program interface that displays temperature and battery levels with C++
- Install parts onto the solar car
- Maintain the club website

### Hack River Dell - Head Organizer and Ambassador

November 2017 and November 2018

- Organizer for a 24-hour high school hackathon with over 100 attendees
- Found corporate and local sponsors such as Microsoft and raised over \$5,000
- Created and maintained the website using HTML, CSS, and JavaScript
- Directed ambassadors to promote event at other schools

## SKILLS

**Languages** - HTML/CSS, JavaScript, Python, Java, C++

**Technologies** - JQuery, Bootstrap, JSP, Flask, Drupal, Twig, Git, Docker

**Interests** - Web Development, Math, Data Analytics, Finance, Machine Learning

## AWARDS

**USC Merit Scholarship** - Merit scholarship awarded to high achieving incoming freshmen to USC

**James E Casey Scholarship** - Merit scholarship awarded by UPS to children of UPS employees based on high school academic merit

**Bergen Tech Special Recognition in Physics** - Recognized as highest achieving student in the field of physics at Bergen Tech

## PROJECTS

**Colorscale** - Python script using PIL that converts a picture into a shade of your choosing

**Heron's Formula** - Simple webpage using JavaScript that finds the area of a triangle