

# Connor Azzarello

azzarello.github.io | cazzarello@scu.edu | (425) 761-4539 | Github | LinkedIn

## EDUCATION

### SANTA CLARA UNIVERSITY

BS - COMPUTER SCIENCE & ENGINEERING, BUSINESS ANALYTICS MINOR

Expected Graduation - June 2021 | Santa Clara, CA | GPA: 3.6

## EXPERIENCE

### ZOOM SYSTEMS | DATA SCIENCE INTERN

Jan 2019 – Sep 2019 | San Francisco, CA

- Increased management productivity through Flask applications that allowed direct integration with company data sources.
- Developed RESTful APIs to provide Google BigQuery data directly to clients.
- Blended data from Zendesk and other APIs with internal data sources to generate innovative, actionable data points.
- Delivered insights on previously unanswered questions throughout the business through ad-hoc reporting.
- Revamped data warehousing by migrating Zoom's legacy SQL Server database to the Google Cloud Platform.

## PROJECTS

### YANGNEARME | REACTJS, GO, GCP CLOUD FUNCTIONS

Yang 2020 Presidential Campaign

July 2019 – February 2020

- Built a ReactJS web application that aggregates local volunteer events posted across multiple websites: **YangNearMe**.
- Reduced average volunteer travel distance by 27% by suggesting more centrally located areas to hold events and contacting leaders in said region.
- Translating this concept to be used more widely with Yang's organization *Humanity Forward*.

## RESEARCH

### SCU IOT LAB | C, EMBEDDED SYSTEMS, NETWORKING

Mar 2020 – Present

- Research the use of an access point daemon to construct mesh networks.
- Build software-defined networking (SDN) for IoT systems.
- Conduct empirical and theoretical performance evaluation of IoT systems.

### SECOND CHANCE PROJECT | PYTHON, FLASK, GCP CLOUD FUNCTIONS

Feb 2020 – Present

- Analyze the issue of low rates of criminal expungement utilization through government datasets.
- Build a Flask web application to allow offenders to check their eligibility status.
- Assist eligible offenders by providing pre-filled documentation and online filing through the app where allowed.
- Developing a chatbot to provide a more accessible experience for offenders that lack computer literacy.

## SKILLS

### PROGRAMMING

Over 5000 lines:

Python • C/C++ • SQL • Javascript

Over 1000 lines:

Java • HTML/CSS • Go

Familiar:

R • TypeScript • Haskell • Shell

### TECHNOLOGIES

CI/CD

Git • Jenkins • TravisCI • Heroku

Data Science

Prophet • Pandas • Matplotlib • FastAI

Web Frameworks

Flask • Django • Vue • Dash • React

### GOOGLE CLOUD PLATFORM

BigQuery • Data Studio • Data Fusion

## ACCOMPLISHMENTS

2020 - 2<sup>nd</sup> Hack 4 Humanity Hackathon

2017 - Eagle Scout Award

2016 - 5<sup>th</sup> DECA Internationals

## COURSEWORK

Algorithms and Data Structures

Database Systems

Discrete Mathematics

Electric Circuits

Logic Design

Linear Algebra

Object-Oriented Programming

Principles of Language Design

Probability & Statistics

Technical Writing for Engineers

## TA/TUTORING

C++ for IoT Applications

Database Management

Introduction to Python

Python for Data Science

## LEADERSHIP

**Treasurer** - SCU Club Swimming

**Founding Father** - Theta Chi Fraternity

**Digital Strategist** - Yang 2020 Campaign

## ACTIVITIES

SCU Club Swimming (Treasurer)

Association for Computing Machinery