

## EDUCATION

### undergraduate

San Francisco State University  
B.S in Computer Science  
Graduated May 2019

## SKILLS

### languages & more

Java                JavaScript  
Go                 React  
GCP                AWS  
Docker  
Computer Networking

### design

Figma  
Adobe XD

### interests & hobbies

Pick-up Basketball  
Cooking  
Arduino tinkering  
Volunteering  
Cycling

## COURSEWORK

### technical

Data Structures  
Programming Languages  
Programming Methodology  
Advance OO Design and Dev.  
Software Engineering  
Algorithms

## ACHIEVEMENTS

**Dean's List**, 2018-2019

## EXPERIENCE

**Teacher's Assistant**, January 2019 – May 2019,

*CS Department: Operating Systems, San Francisco, California*

- Supported students until comprehension regarding mutex locks, processes, threads, and atomicity
- Was in the lab every day always ready to review and assist students through projects
- Continuously provided a comfortable environment where students can come in and ask any question

## PROJECTS

**omaralaniz.com** / solo project

[\[code\]](#)

Provides a platform to showcase my personal, group, and school projects. A playground to test new technologies thus a forever evolving web app.

- An Angular & SASS based frontend and served on Firebase with a Go (GIN) & MongoDB based Read-Only API
- Containerized the API with Docker and running on a Google Compute Engine VM while being deployed on Google App Engine.

**ito.sh** / solo project

[\[code\]](#)

A URL shortener where it auto generates aliases, or users can provide a custom alias

- A Node/Express & MongoDB based backend and the frontend is based on a Vue.js CDN. Consummated alias generation by using nanoid and yup to ensure valid URLs
- Diminished deployment time by deploying on AWS Elastic Beanstalk and CodePipeline which uses GitHub's webhooks that connects to my master branch

**Pegasus** / group project / scrum master & backend

[\[code\]](#)

Django, Postgres, and AWS housing website tailored towards students, while igniting social opportunities by having neighborhood chat rooms.

- As scrum master, laid out a fantastic learning and work environment for a group of engineers. Provided an extensive guide on how to use Git/GitHub for less experience engineers
- Oversaw the frontend development made sure it utilized Django components to adhere to the Django framework
- Slashed development a time and boosted readability by modularizing the frontend with Django. Reviewed frontend code for industry standard styling and functionality

**OurSpace** / group project / backend

[\[code\]](#)

A PERN stack web app introduces friends to a foodie's experience.

- Coded and designed the registration & friends system whilst actively following security and privacy standard
- Provided acknowledge on how to use Active Record and Data Mapper patterns with efficacy and how to achieve it using typeORM