

## EDUCATION

### undergraduate

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

## SKILLS

### languages & more

Java                  JavaScript  
Go                    AWS  
GCP  
Computer Networking

### design

Figma  
Adobe XD

### interests & hobbies

Pick-up Basketball  
Cooking  
Volunteering  
Cycling

## COURSEWORK

### technical

Data Structures  
Operating Systems  
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*

- Consulted with students every day to review and assist students' projects
- Supported students until comprehension regarding mutex locks, processes, threads, and atomicity
- Continuously provided a comfortable environment where students can come in and ask questions

## 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 deployed on Firebase with a Go (GIN) & MongoDB based Read-Only API
- Containerized the API with Docker, which, is running off of Heroku's Container Repository, and deployed using Heroku

**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. Alias generation handled by nanoid and used yup to validate 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 and ensured that it utilized Django components to adhere to the Django framework
- Slashed development time and boosted readability by modularizing the frontend with Django. Reviewed frontend code for consistent styling and functionality

**OurSpace** / group project / backend

[\[code\]](#)

A PERN stack web app, written in TypeScript, introduces friends to a foodie's experience.

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