

# Koorous Vargha

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github.com/kvargha

kvargha.com

## EDUCATION

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**University of California, Santa Cruz**

Bachelor of Science in Computer Science

June 2021

GPA: 3.42

**Relevant Coursework:** Distributed Systems, Operating Systems, Database Systems, Machine Learning, Data Structures, Algorithms, Computer Architecture, Functional Programming, Calculus, Linear Algebra, Discrete Math, Probability Theory

## SKILLS

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**Productive:** Python, C, Java, PostgreSQL, Django, Flask, Amazon Web Services (AWS), Google Cloud Platform, UNIX, Git

**Familiar:** Docker, REST APIs, Golang, Numpy, Pandas, Matplotlib, HTML, CSS, Javascript, Bootstrap, Firebase

## EXPERIENCE

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**Technology Chair** - *Circle K International, Santa Cruz*

May 2018 - May 2019

- Developed a website with SEO optimization that serves 50 daily active users
- Raised newsletter subscriptions from 400 to over 550 through advertising at club recruitment events
- Increased event turnouts by 25% through analyzing optimal times to send out emails

## PROJECTS

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**AmberDash** - *CruzHacks 2020*

Jan. 2020

- Acknowledged by Google for “Best Use of Google Cloud” out of 300+ projects
- Used Google Vision, Android app directs matched license plate info to Firebase from active amber alerts
- Built dashboard using Flask to pull data from Firebase to display recent coordinates onto Google Maps

**Django Blog** - *Personal Project*

July 2019 - Aug. 2019

- Built a full-stack blog using Django that handles user authentication and new blog posts
- Deployed to AWS using Elastic Beanstalk and S3 that can scale to over 100,000 users

**Google Singer** - *CruzHacks 2019*

Jan. 2019

- Led a group of 5 to create a Python script that automates web scraping and funnels data into Google Cloud Natural Language API

**Newegg Seeker** - *Personal Project*

Jan. 2019

- Created Python script to web scrape and export data to a spreadsheet with shortened URLs using Bitly

## EXTRACURRICULARS

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**Tech4Good** - *Reader*

April 2020 - Present

- Performed analytical research into the field of the safety of autonomous vehicles

**Google Developer Student Club** - *General Member*

Oct. 2019 - Present

- Participated in study jams to learn the fundamentals of Google Cloud Platform

**Society of Asian Scientists & Engineers** - *General Member*

Sept. 2017 - Present

- Attended multiple events to network with software engineers

**Circle K International** - *General Member*

Sept. 2017 - Present

- Collaborated with other members in community service projects totaling to over 50 hours