

## EXPERIENCE

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### Google | Software Engineering Intern

Jun 2020 – Sept 2020

- Created a full-stack application to display image differences, and locate the OS build that a desired feature landed in
- Developed a web interface using HTML/CSS and a concurrent web server in Go
- Incorporated OAuth authentication to restrict external access to Google internal repositories
- Built a CLI application to serve as a locally executable alternative to the web application
- Deployed on Google Cloud using App Engine and Secret Manager

### University of California, Santa Cruz | NLP Tutor and Reader

Sept 2019 – Dec 2019

- Reinforced student understanding of core Natural Language Processing concepts through hosted lab sections
- Assisted in the implementation and debugging of coding assignments using Python, SciKit Learn, and NLTK

### IBM | Software Engineering Intern

Jun 2019 – Sept 2019

- Worked on a physical access management tool for monitoring privileges to 40+ data centers within IBM Cloud
- Integrated Active Directory into a FedRAMP compliance framework to automate evidence collection
- Built a web dashboard with Jira integration to display live audit progress and identify evidence collection bottlenecks
- Created internal tools to automate audit workflows, saving over \$6,000 annually
- Wrote unit tests to automate tools testing using Pytest

### Second Harvest Food Bank | Software Engineering Intern

Mar 2019 – Jun 2019

- Created and deployed a mobile-first web app for helping users locate foodbanks and their hours of availability
- Integrated database with Google Calendar to automate food bank availability updates
- Integrated with Google Maps to visualize food bank locations and generate directions

## EDUCATION

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### Bachelor of Science, Computer Science | University of California, Santa Cruz

Jun 2017 – Jun 2020

3.81 GPA – Highest Honors in Computer Science & University Honors, Cum Laude

## ACHIEVEMENTS

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### CruzHacks 2020 1<sup>st</sup> Place Google Cloud Category Winner | Amber Alert Dashcam App

Jan 2020

An Android dashcam app that automatically scans nearby cars for matches with active Amber Alerts. Includes a police web dashboard for looking up sightings, and Notivize integration to alert police departments via email.

### HackACM 2019 3<sup>rd</sup> Place Winner | UCSC Course Tracker for Alexa & Web

Apr 2019

A UCSC class lookup service to track course openings via web browser and Amazon Alexa voice assistant.

### HackACM 2018 Student Utility Category Winner | UCSC Welcome Website

Mar 2018

A mobile website to connect incoming UCSC students with campus resources and activities.

## SELECTED PROJECTS

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### Monitori – An Anti-Toxicity Discord Bot | Javascript, Node.js, VADER, SQLite

A user engagement bot created for the Discord chat platform. Built to discourage hateful activity through a points system.

### Multithreaded HTTP Server | C++

A multithreaded server built from scratch, supporting GET, PUT, and ALIAS commands.

### Distributed Data Storage using Docker Containers | Python, Flask

A distributed remote storage solution built from scratch. Stores key-value pairs in a network of Docker containers in a fault-tolerant, causally consistent manner. Added data sharding and node replication to ensure crash tolerance.

## SKILLS

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**Languages:** Python, Go, Java, C, C++, Javascript, Ocaml, HTML, CSS, SQL, Assembly, MATLAB

**Technologies & Tools:** React, Node.js, Django, Flask, Gin, Tensorflow, Pytest, NLTK, Git, Docker, Google Cloud, Make