

EXPERIENCE

- Google | Incoming Software Engineer Intern – *Container Optimized OS*** *Jun 2020 – Sept 2020*
- Joining the Container Optimized Operating System team for the summer of 2020
- University of California, Santa Cruz | Tutor & Reader – *Natural Language Processing*** *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 Development Intern – *Security & Compliance Optimization*** *Jun 2019 – Sept 2019*
- Worked on a physical access management tool for controlling privileges to 40+ data centers within IBM Cloud
 - Integrated Active Directory into a security framework, accelerating issue detection time from 30+ days to 24 hours
 - Built internal tools to automate audit workflows, saving over \$10,000 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 with G Suite to generate map directions and improve accessibility for both users and maintainers

EDUCATION

- Bachelor of Science, Computer Science | University of California, Santa Cruz** *Jun 2017 – Jun 2020*
- 3.8 GPA – Distributed Systems, Database Systems, Applied Machine Learning, Artificial Intelligence, Computer Networking

ACHIEVEMENTS

- CruzHacks 2020 1st Place Google Cloud Category Winner | Amber Alert Dashcam App (Android)** *Jan 2020*
- An Android dashcam app that automatically scans nearby cars for matches with active Amber Alerts. Includes a police dashboard for tracking nearby sightings, and Notivize integration to alert police departments via email.
- HackACM 2019 3rd 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

- Monitori – An Anti-Toxicity Discord Bot | Javascript, Node.js, VADER, SQLite**
- Built a Discord bot to promote positive user engagement by penalizing users that express negative sentiment
 - Optimized memory usage by performing sentiment analysis after detecting the end of a conversation
 - Deployed on Raspberry Pi and Glitch serving over 10k users
- Distributed Data Storage using Docker Containers | Python & Flask**
- Built a remote storage solution that allows Docker containers to store key-value pairs as a distributed system
 - Created a REST API using Flask for client communication and node additions
 - Added data sharding capabilities and ensured crash tolerance through data replication & automatic resharding
- Search Engine | Python, Spacy, & Natural Language Toolkit**
- Designed a system that finds the answer to any question by generating an excerpt from a library of text
 - Implemented natural language processing techniques such as dependency parsing and discourse modeling

SKILLS

- Languages:** Python, Java, Javascript, C, C++, HTML, CSS, SQL, Assembly, MATLAB
- Technologies:** React, Node.js, Django, Flask, Pytest, NLTK, Tensorflow, NumPy
- Software & Tools:** Git, Docker, Linux, JIRA, Make