Austin Yuan

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EXPERIENCE

Google | Incoming Software Engineer Intern *Jun 2020 – Sept 2020*
- Joining Google for the summer of 2020 as a Software Engineer Intern

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 *Jun 2019 – Sept 2019*
- Worked on a physical access management tool for controlling privileges to 40+ data centers within IBM Cloud
- Added Active Directory as a source for an automated 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, Computer Networking, Applied Machine Learning, Artificial Intelligence

ACHIEVEMENTS

CruzHacks 2020 1st Place Google Cloud Platform Winner | Amber Alert Scanner App *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 App *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 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, Assembly, SQL, MATLAB
Technologies:	React, Node.js, Django, Flask, Pytest, NLTK, Tensorflow, NumPy
Software & Tools:	Git, Docker, Linux, JIRA, Make