Austin Yuan

(909) 908-8832
austinyuan2@gmail.com

austinyuan.com
linkedin.com/in/austinyuan202

EXPERIENCE

Google | Software Engineering Intern Jun 2020 – Sept 2020
- Creating a service to retrieve commit differences between operating system builds and track feature entry points
- Building a multithreaded backend service in Go with OAuth2 authentication
- Developing a web interface and a CLI application to display build data and support varied user workflows
- Working on a Gerrit plugin to locate the earliest build containing a given feature, assisting support processes
- Deploying on Google Cloud Platform using App Engine

University of California, Santa Cruz | NLP Tutor & 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

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

CruzHacks 2020 1st 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 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
A user engagement bot created for the Discord chat platform. Built to discourage hateful activity through a points system.

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.

Search Engine | Python, Spacy, Natural Language Toolkit
An information retrieval system that answers user questions by creating the best excerpt from a library of texts.

SKILLS

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