Austin Yuan

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EDUCATION

Bachelor of Science, Computer Science   *Jun 2017 – Dec 2020*
University of California, Santa Cruz – 3.8 GPA

EXPERIENCE

University of California, Santa Cruz | Group Tutor & Reader – NLP   *Sept 2019 – Dec 2019*
- Reinforced student understanding of core Natural Language Processing concepts through 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
- Added Active Directory as a source for an automated security framework, ensuring continuous compliance with security policies and accelerating issue detection time from 30+ days to a single day
- 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 web app for helping users locate nearby available foodbanks
- Integrated with G Suite to generate map directions and improve accessibility for both users and maintainers
- Coordinated with project stakeholders to establish project specifications and timelines

ACHIEVEMENTS

CruzHacks 2020 1st Place Google Cloud Category Winner | Java, Android, & Firebase   *Jan 2020*
Built an Android dashcam app that automatically scans nearby license plates for matches with active Amber Alerts

HackACM 2019 3rd Place Winner | Python & Flask   *Apr 2019*
Created a class lookup service for both web browsers and Amazon Alexa voice assistants

HackACM 2018 Student Utility Category Winner | HTML & CSS   *Mar 2018*
Developed a mobile website to connect incoming UCSC students with campus resources and activities

SELECTED PROJECTS

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

Sentiment Analysis Discord Bot | Javascript, Node.js, Python, NLTK, SciKit Learn, & SQLite
- Implemented a Discord bot designed to promote positive user engagement by rewarding points
- Developed Decision Tree, Naive Bayes, and SVM models to classify user sentiment

Project Release Dashboard | React, Javascript, Node.js, & Express
- Deployed a web app for monitoring public reception to project releases on social media
- Integrated with Twitter and Reddit to source data, and employed Watson NLP to derive actionable data

SKILLS

Languages:	Python, Java, Javascript, C, HTML, CSS, Assembly, SQL, MATLAB, PostgreSQL
Technologies:	React, Node.js, Flask, Pytest, NLTK, Scikit Learn
Software & Tools:	Git, Docker, Elasticsearch, Kibana, Linux, JIRA, Make