# Austin Yuan

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## EDUCATION

**Bachelor of Science, Computer Science**                                         *June 2017 – June 2020*
*University of California, Santa Cruz*
- Cumulative GPA: 3.8/4.0

## WORK EXPERIENCE

**Automation Development Intern** | IBM                                         *August 2018 – September 2018*
- Developed a project management script that monitors and updates project status on JIRA
- Added a project management dashboard with email export functionality using Flask and Bootstrap
- Currently developing a dashboard for an automated audit evidence aggregation tool

**Project Lead Developer** | Second Harvest Food Bank                                         *June 2015 – July 2017*
- Developed and deployed a mobile-ready webapp to match users with nearby foodbanks that matched their availability
- Integrated project with services such as Google Calendar and Google Maps
- Coordinated with Second Harvest to establish project specifications and timelines for my team

## SELECTED PROJECTS

**Distributed Key-Value Store | Python, Flask, & Docker**                                         *March 2018 – June 2019*
- Implemented a distributed system that allowed Docker containers to store incoming key-value pairs in a causally consistent, crash tolerant manner
- Improved storage capacity and thoroughput by implementing data sharding
- Developed broadcasting method using Flask to support node additions and ensure crash tolerance

**Natural Language Story Parser | Python**                                         *February 2019 – March 2019*
- Created an application that reads stories and answers questions about the story's content
- Analyzed question and story sentence structure using dependency trees with Stanford CoreNLP
- Developed a discourse model for associating pronouns with tbe appropriate character in a story
- Implemented a system for classifying questions and isolating answers in a given text

**Online Review Classifier using Deep Learning| Python**                                         *January 2019 – February 2019*
- Utilized Naïve Bayes, Decision Tree, and SVM Classifiers to train a classifier to determine a reviewer's sentiment towards a movie or restaurant
- Employed numerous NLP techniques to develop different feature sets, such as lemmatization and part of speech tagging

**Discord Sentiment Analysis Bot | Javascript & Node.js**                                         *September 2018 – June 2019*
- Built a configurable Discord bot designed to promote positive user engagement with others
- Optimized memory usage by automatically processing messages after certain conversation triggers
- Added database importing and exporting functionality using SQLite

## ACHIEVEMENTS

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

**HackACM 2018 Student Utility Category Winner | HTML & CSS**                                         *March 2018*
Created a mobile website to connect incoming UCSC students with campus resources and lifestyles

## SKILLS

**Languages:** Java, C, Python, Javascript, HTML/CSS, SQL
**Tools:** React.js, Git/Github, Docker, Matlab, SSH