

Austin Yuan

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EDUCATION

Bachelor of Science, Computer Science

June 2017 – June 2020

University of California, Santa Cruz

- Cumulative GPA: 3.76/4.0

SKILLS

Languages: Java, C, Python, Javascript, HTML/CSS, SQL

Tools: React.js, Git/Github, Docker, Matlab, SSH

WORK EXPERIENCE

ITS Intern | Amphastar Pharmaceuticals

August 2018 – September 2018

- Reviewed and corrected instructional manuals after document conversion in Microsoft Word
- Digitally created visual components, such as technical diagrams and flowcharts, to visualize important concepts

ITS Intern | Rainbow Optometry

June 2015 – July 2017

- Managed office inventory in an electronic database
- Created electronic health record templates and forms with Microsoft Word
- Updated medical documents and patient profiles using Crystal Practice Management

SELECTED PROJECTS

Natural Language Story Parser | Python

February 2019 – March 2019

- Worked in a team of three students to create an application that reads a given story and answers natural language questions that users asked about the story
- Analyzed question and story sentence structure using dependency trees with Stanford CoreNLP
- Developed a discourse model for associating pronouns with the appropriate character in a story
- Implemented a system for classifying questions and isolating answers in a given text

Online Reviews Deep Learning Classifier | 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
- Created numerous features sets using tokenized sentences, LIWC features, and word embeddings
- Improved feature selection using lemmatization, POS tags, and word binning

HTML Document Writer | Javascript & React.js

December 2018 – January 2019

- Developed a HTML document builder with user-friendly components built using React.js
- Optimized user input storage for efficient modification using tree data structures
- Developed an algorithm for converting user input to formatted HTML via tree traversal

Discord Sentiment Analysis Bot | Javascript

October 2018 – January 2019

- Built a configurable Discord bot designed to promote positive user engagement with others
- Implemented custom data structures for storing user statistics and caching messages
- 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 Amazon Alexa voice assistants and web browsers

HackACM 2018 Student Utility Category Winner | HTML & CSS

March 2018

Created a mobile website to connect incoming UCSC students with campus resources and lifestyles