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

Skills: Java, C, Python, Javascript, React.js, HTML/CSS, Flask, SQL
Tools: Git/Github, Unix, Matlab, Docker, SSH, Processing

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 questions that users ask about the story
- 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 answering user queries by classifying questions and developing linguistic rules for 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
- Automated model selection to evaluate and select the best model for classifying new data
- 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

Video Compilation Bot | Python   *October 2018 – January 2019*
- Worked with two colleagues to create a bot that compiles online videos into a single video
- Automated video clip sourcing from Reddit
- Created a program to combine clips into a complete video and add transitions
- Wrote an uploading script to automate batch video uploads to Youtube and populate metadata

ACHIEVEMENTS

HackACM Student Utility Category Winner   *March 2018*
Recognized for creating an application with the most utility to students at UC Santa Cruz