

# Austin Yuan

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## EDUCATION

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### **Bachelor of Science, Computer Science**

*June 2017 – June 2020*

*University of California, Santa Cruz*

- Cumulative GPA: 3.76/4.0

## SKILLS

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**Skills:** Java, C, Python, Javascript, React.js, HTML/CSS, Flask, SQL

**Tools:** Git/Github, Unix, Matlab, Docker, SSH, Processing

## WORK EXPERIENCE

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### **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

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### **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

### **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

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### **HackACM 2019 3<sup>rd</sup> 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