Kyle Ip

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EDUCATION

Santa Clara University   Santa Clara, CA

B.S. Computer Science (Algorithms emphasis), Physics   Expected June 2019

Current 3.55 GPA

Relevant Courses: Theory of Algorithms, Data Structures, Object Oriented Programming, Embedded Systems, Cryptography

EXPERIENCE

Undisclosed Startup   San Jose, CA

Engineering Intern   March 2017 – September 2017

- Works in a lab making and preparing samples for testing. Some of the techniques required include machining, polishing, and cutting.

Santa Clara University   Santa Clara, CA

IT Assistant   July 2016 – Present

- Works in teams on various projects, such as designing and editing webpages to be used by the school using HTML and CSS, in addition to assisting faculty and students with tech issues.

Santa Clara University   Santa Clara, CA

Computer Science TA and Grader   December 2015 — March 2017

- Works with professor to grade computer science homework and projects in C++
- Assists during lab sessions by troubleshooting C++ code and working with students

PROJECTS

Markov Literature Test   December 2017

- Web app that generates a string of text meant to mimic a novel. The user has to guess whether a passage is from the actual book or whether it's a computer generated sentence.
- Wrote back end code to create and select passages using Python. Wrote the front end code to present these passages and create the quiz using Flask and Python.

GeoMusic (SF Music Tech Hackathon 2017)   October 2017

- Music recommendation website that utilizes a user's Spotify data to geographically find the area that most closely matches the user's taste in music.
- Wrote back end code to analyze and compare the songs using Python and Javascript and worked with the Spotify API, Flask, and AJAX to find user data and characteristics of a city's music.

SKILLS

- C++, Python, Javascript, HTML, CSS, MATLAB
- Flask, AJAX