Dylan P. Jackson

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Objective: Summer or Summer/Fall 2019 Co-op

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY
BS in Computer Science
2017 - Present | Rochester, NY | Cum. GPA: 3.3
Computer Science House : Active Member
Honors Program
Artificial Intelligence Club : Secretary
Outing Club : Public Relations

SKILLS

PROFICIENT
Python | Java | C | Linux | MacOS
Vim | PyCharm | IntelliJ | Arduino | NLTK
Google Cloud Platform Natural Language API

EXPERIENCED
HTML | CSS | JavaScript
C++ | Flask | Tweepy

PROJECTS

HAPI
- Python flask based Google Cloud Platform Web App using the GCP Natural Language API to perform Sentiment Analysis on tweets pulled using the Tweepy library and Twitter API
- Given a username or hashtag, presents statistics such as average positivity, number of positive tweets, and most negative tweet
- Group project presented at RIT's hackathon, Brickhack

K.L.A.M.P.
- Hybrid of C/C++ with Arduino Mega listens through HC-06 bluetooth module to update RGB LED matrix display
- Relies on RGB-matrix-Panel and Adafruit-GFX-Library libraries to write custom designs onto the matrix, advertising Computer Science House

PERSONAL WEBSITE
- HTML, CSS, and Javascript to document progress on various projects in a blog style timeline

24-HOUR-POWER
- C/C++ with Arduino Uno to display flowing color patterns on LED strip
- Relies on FASTLED library to perform custom gradient palette transitions, which occurs every hour: one color representing each hour of the day

EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY | SI LEADER
August 2018 - Present | Rochester, NY

- Develop weekly study sessions for students in Python and Java based Computer Science courses to provide a more practical approach to course content
- Helps students become more confident in those languages, and refines my own understanding because of responsibility to explain concepts to other students

ROCHESTER INSTITUTE OF TECHNOLOGY | NEW STUDENT ORIENTATION LEADER
August 2018 | Rochester, NY

- Lead a group of New Students and introduced them into the RIT community, leading them through various icebreakers, social and academic activities
- Developed strong leadership, communication, and team building skills