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
Honors Program
Computer Science House : Active Member
Artificial Intelligence Club : Secretary
Outing Club : Public Relations

SKILLS

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

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

PROJECTS

HAPI | PYTHON/FLASK/TWEEPY/GCP API
- 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 average positivity, number of positive tweets, or most negative tweet
- Group project presented at RIT's hackathon, Brickhack
- https://github.com/jtkrumlauf/Hapi
- https://hapi-0.appspot.com/

UNIVERSAL IMAGE CLASSIFIER | PYTHON/KERAS/TENSORFLOW
- Keras and Tensorflow based program that utilizes ResNet's model to detect contents of an image
- Performs image detection based off of a Convolutional Neural Network trained on ImageNet
- https://www.kaggle.com/dylanpjackson/universal-classifier

K.L.A.M.P. | C/C++/ARDUINO
- 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 display designs advertising Computer Science House
- https://github.com/DylanPJackson/K.L.A.M.P

24-HOUR-POWER | C/C++/ARDUINO
- C/C++ with Arduino Uno to display flowing color patterns on LED strip which relies on FASTLED library to perform custom gradient palette transitions
- https://github.com/DylanPJackson/24HourPower

PERSONAL WEBSITE | HTML/CSS/JAVASCRIPT
- HTML, CSS, and Javascript to document progress on various projects in a blog style timeline
- https://github.com/DylanPJackson/Website

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
- Assist students to become more confident in those languages, thereby refining my own understanding due to the 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, developing strong leadership, communication, and team building skills