Dylan P. Jackson

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Objective: Fall or Spring 2020 Co-op

EXPERIENCE

MITRE | TECHNOLOGY AND INNOVATION INTERN
May 2019 - August 2019 | Bedford, MA
- Led and contributed to various projects utilizing text, speech, and data analytics to improve efficiency of internal tools and employee performance
- Developed with IBM Watson, Microsoft LUIS, Microsoft Bot Framework, Microsoft Teams

DATTO | QA ENGINEERING INTERN
May 2020 - August 2020 | Rochester, NY
- Automate internal tools for QA testing services
- Identify areas for improvement on internal services and work with full time staff to implement productive changes

RIT | PRESIDENT OF AI CLUB
August 2019 - Present | Rochester, NY
- Bring together students around passion for learning and using AI by fostering connections and encouraging project collaboration
- Prepare weekly presentations and discussions on regression, neural networks, natural language processing
- Guide students through Andrew Ng's Machine Learning Coursera course

RIT | NEW STUDENT ORIENTATION SUPERVISOR
August 2019 | Rochester, NY
- Managed well being and performance of about 20 Orientation Leaders who led a group of new students for Orientation, while running and assisting with various events throughout Orientation.
- Incredible test of perseverance and time management due to very long days and nearly endless social interaction

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/

INTELLIGENT AGENTS | C#/.NET/MICROSOFT BOT FRAMEWORK
- Bot in Microsoft Teams which carries out conversation with project leaders to staff their projects for them
- Intelligently matches employee requirements with all available employee information in Microsoft Graph and independently engages them in direct conversation

K.L.A.M.P. | C/C++/ARDUINO
- Smart lamp that toggles through different displays and refresh rate / colors of said displays through bluetooth
- Hybrid of C/C++ with Arduino Mega listens through HC-06 bluetooth module to update RGB LED matrix display
- Presented in Computer Science House's smart dorm room exhibit at RIT's President's Ball
- https://github.com/DylanPJackson/K.L.A.M.P

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY
BS in Computer Science
2017 - Present | Rochester, NY
Honors Program
Computer Science House : Active Member

COURSERA
Andrew Ng : Machine Learning

SKILLS / FRAMEWORKS

PROFICIENT
Python | Java | C | Linux | MacOS | Git | Vim
GCP API | Microsoft Bot Framework | REST

EXPERIENCED
HTML | CSS | JavaScript | Flask
C++ | R | C# | Keras | TensorFlow
numpy | scipy | matplotlib