

# Dylan P. Jackson

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Objective: Spring / Summer 2021 Data Analyst Co-op

## EXPERIENCE

### MITRE | TECHNOLOGY AND INNOVATION INTERN

May 2019 - August 2019 | Bedford, MA

- Led and contributed to various group projects utilizing natural language processing and data analytics to improve efficiency of internal tools and employee performance
- Developed with IBM Watson, Microsoft LUIS, Microsoft Bot Framework, Microsoft Teams

### RIT | PRESIDENT OF AI CLUB

August 2019 - May 2020 | Rochester, NY

- Bring together students around passion for learning 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, 2020 | 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

## PROJECTS

### CSH INTRODUCTORY EVALUATOR | PYTHON / NUMPY / SQL / MACHINE LEARNING

- Tertiary Machine Learning classification model developed for RIT's Computer Science House, created and trained with numpy / scipy, data curated and cleaned from NoSQL server
- Predicts the evaluation result of a new applicant to the Computer Science House intro process, with 83% accuracy
- <https://github.com/DylanPJackson/csh-intro-evaluator>

### COLLEGIATE ADVANTAGE | PYTHON / R / SQL / DATA ANALYSIS

- Analyzed salary data to determine whether school / major prestige directly influences monetary success
- Manipulated and visualized data using Python and R, performed more complex inquiries with SQL
- [https://github.com/DylanPJackson/collegiate\\_advantage](https://github.com/DylanPJackson/collegiate_advantage)

### BORED | RASPI / ARDUINO / PYTHON / C

- LED board turned personal assistant, driven by Arduino Mega, controlled by Raspberry Pi 3, hooked up with jumper wires
- Custom automatically updating calendar, plans for weather display, daily reminders, and voice interface through Alexa
- <https://github.com/DylanPJackson/bored>

### 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/>

## EDUCATION

### ROCHESTER INSTITUTE OF TECHNOLOGY

BS IN COMPUTER SCIENCE

2017 - Present | Rochester, NY

HONORS PROGRAM

COMPUTER SCIENCE HOUSE : ACTIVE MEMBER

### RELEVANT COURSES

COURSERA : ANDREW NG'S MACHINE LEARNING

COURSERA : JOHNS HOPKINS'S DATA SCIENCE (PLANNED)

RIT CSCI-635 : INTRO TO ML

## SKILLS / FRAMEWORKS

### PROFICIENT

Python | Java | C | C#

numpy | scipy | matplotlib | pandas | SQL

Keras | Tensorflow

Microsoft Bot Framework | GCP API | AWS

MacOS | Linux | Windows

Git | Vim

### EXPERIENCED

HTML | CSS | JavaScript

C++ | R | Flask