

# Dylan P. Jackson

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Objective: Fall 2020 and / or Spring 2021 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 - Present | 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

### DATTO | QA ENGINEERING AND AUTOMATION 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 | 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

## PROJECTS

### CSH INTRODUCTORY EVALUATOR | PYTHON/AI/ML/NUMPY/SQL

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

### 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#/AWS/MICROSOFT BOT FRAMEWORK

- Developed for MITRE, bot in Microsoft Teams which carries out conversation with project leaders to staff their projects automatically for them
- Intelligently matches employee requirements with all available employee information in Microsoft Graph and independently engages them in direct conversation

## 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

RIT CSCI-635 (GRAD CLASS) : INTRO TO ML

## SKILLS / FRAMEWORKS

### PROFICIENT

Python | GCP API | AWS | Keras | TensorFlow  
numpy | scipy | matplotlib | REST API's  
Microsoft Bot Framework | Java | C | C# | SQL  
MacOS | Linux | Windows | Git | Vim

### EXPERIENCED

HTML | CSS | JavaScript  
C++ | R | Flask

