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
- Brought together students around passion for learning AI by fostering connections and encouraging project collaboration
- Prepared 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

COVID FACTORS | PYTHON / R / DATA ANALYSIS / DATA ENGINEERING
- Analyzed COVID-19 death rate prediction models to assess what features are most important to making correct forecasts
- Utilized R and Python to clean and visualize the data, as well as perform performance analysis on each model
- https://github.com/DylanPJackson/covid_factors

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

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/ (Please precede any query with an '@' or '#')

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY
BS in Computer Science
2017 - Present | Rochester, NY
Computer Science House : Financial Director
Computer Science Department : Student Ambassador
Honors Program

RELEVANT COURSES
Coursera : Andrew Ng's Machine Learning
Coursera : Johns Hopkins's Data Science (In Prog)
RIT MATH 251 & 252 : Prob & Stats I & II

LANGUAGES & SKILLS

PROFICIENT
Python | R | SQL | Matlab | Java | C
numpy | scipy | matplotlib | pandas
Keras | Tensorflow | scikit-learn
Microsoft Bot Framework | GCP API | AWS
Data Viz | Data Analysis | Modeling
Git | Vim | JetBrains IDE | Scrum
MacOS | Linux | Windows

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