MICHAEL DAUGHERTY

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MISSION: To secure a position which allows me to use a combination of scientific, computational and interpersonal skills to solve complicated problems and improve understanding

SKILLS

Communication	Statistics	scikit-learn
Data analysis	Linear algebra	NumPy
Data visualization	Python	Linux
Machine learning	R	Apache Spark
Natural language processing	SQL	AWS
Web scraping	pandas	TensorFlow/keras

EXPERIENCE

GENERAL ASSEMBLY, DATA SCIENCE IMMERSIVE STUDENT

Washington, D.C., Dec. 2019 - Mar. 2020

Through 480 hours of instruction, applied an array of statistical techniques, supervised and unsupervised machine learning and other tools to problems involving large datasets, including:

- OPTIMIZING EVACUATION ROUTES DURING A NATURAL DISASTER: Worked with two teammates to scrape thousands of posts from Twitter feeds across the state of Texas and used the information they contained to produce a map of road closures during Hurricane Harvey
- IMPROVING ASTRONOMY OUTREACH THROUGH NATURAL LANGUAGE PROCESSING: Analyzed posts from an astronomy-themed and a space-themed message board to quantify the difference between the two concepts and use this to increase public interest in astronomy and the sciences in general
- PREDICTING GALACTIC DISTANCES WITH MACHINE LEARNING: Created a model to enable amateur astronomers to estimate distances to nearby galaxies by measuring their apparent brightness

TARGET

SALES FLOOR TEAM MEMBER, Store 1439, Tucson, AZ, Nov. 2017 – May 2019

- Performed transactions on cash registers
- Assisted guests on sales floor
- Reset shelves and merchandise displays

FLOW TEAM MEMBER, Store 1463, Boardman, OH, Nov. 2016 – Oct. 2017

- Unloaded product shipments
- Managed inventory
- Kept sales floor stocked and organized

EDUCATION

DATA SCIENCE IMMERSIVE, General Assembly, Washington, D.C., Dec. 2019 - Mar. 2020

POLAND SEMINARY HIGH SCHOOL, Poland, OH, 2006-2010

OTHER ACTIVITIES

TELESCOPE OPERATOR, Flandrau Observatory, Tucson, AZ, Mar. 2012

Used 20" telescope and computerized guidance system to show galaxies and other deep-sky objects to interested members of the public