MICHAEL DAUGHERTY

[Portfolio](#) | [GitHub](#) | 330-720-5486 | m.j.daugherty0@gmail.com

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

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
UNIVERSITY OF ARIZONA, Tucson, AZ, Aug. 2010 – May 2013

- Bachelor of Science, Astronomy and Physics (incomplete)

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