

Katherine A Hickok

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[LinkedIn](#) – [GitHub](#) – [Portfolio](#)

EXPERIENCE

Data Scientist Fellow

11/2021- 03/2022

General Assembly

Denver, CO

- Finished 480+ hour, 13-week Data Science Immersive course.
- Performed data cleaning and exploratory data analysis to solve analytical problems using Python.
- Developed statistical machine learning models to make predictions on unseen data.
- Projects completed:
 - Scraped 10,000 posts from two subreddits using Pushshift's API and performed an NLP analysis to determine which post belonged to which subreddit with an accuracy of 83%.
 - Extracted hourly energy data to perform a time-series analysis and forecast future energy demand for the Texas energy grid.
 - Used Lasso regression and varying feature transformers to predict wine quality from climate data queried from Google BigQuery API.

Server/Host

05/2021- 11/2021

Delaney Oyster House- Neighborhood Dining Group

Charleston, SC

- Maintained high standards of customer service for patron enjoyment during fast-paced operations.
- Used menu knowledge and strong communication skills to increase food/drink sales.

Substitute Teacher

11/2019-05/2021

Kelly Services

Charleston, SC

- Managed classes by maintaining a safe and productive learning environment for students from K5 to grade 12.

Staff Geologist

07/2018- 09/2019

Terry Environmental Services

Summerville, SC

- Prioritized and performed multiple field assignments adhering to SC-DHEC standards and staying within budget.
- Managed multiple projects simultaneously and acted as a field site liaison between clients and subcontractors.
- Assisted with training new hires and mentored them on time-efficient procedures and safety protocols.

Graduate Research Assistant

08/2015- 08/2017

University of South Carolina

Columbia, SC

- Developed and implemented a multidisciplinary project to better understand the biogeochemistry of an oceanic hydrothermal vent system.
- Conducted background research and synthesized technical data to address unanswered hypotheses.
- Prepared publications and conference presentations with implications for prebiotic chemistry and astrobiology.

SKILLS

Data Analysis- Python (NumPy, Pandas, scikit-learn, Tensorflow, Keras), Supervised Machine Learning, Unsupervised Machine Learning, NLP, Time-series Forecasting, Google BigQuery, SQL, Git, Github, Exploratory Data Analysis

Data Visualization- Seaborn, Matplotlib, Tableau

General- Technical writing, Project management, Excellent written and oral communication, Statistical analysis

PUBLICATIONS

Hickok K.A., Nguyen T.B., and Lang S.Q. (2018). Assessment of apolar lipids in subseafloor rocks and potential contaminants from the Atlantis Massif (IODP Expedition 357). *Organic Geochemistry*. 122: 68-77.

EDUCATION

Data Scientist Fellow- General Assembly

11/2021- 03/2022

MS in Geological Sciences- University of South Carolina

08/2015- 08/2017

BS in Geology with Concentration in Environmental Science- Clemson University

08/2010- 05/2014