Jenny Rhee

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Experience

Research Associate
Baton Rouge, LA

Louisiana State University
June 2019 to present

- Compiling data from various sources to build an econometric model to analyze the effects of driving forces on a variety of environmental impacts in the U.S. and Germany over the past two centuries.

Data Analyst Intern
Lafayette, LA

Acadian Ambulance
Aug 2018 to May 2019

- Exploratory analysis (clustering, topic modeling) of rejected medical records to categorize and flag unbillable medical records earlier in order to reduce days to bill.
- Analyzed the "virality" of medics with low medical documentation accuracy on their partners.
- Time series analysis to forecast future number of billable calls for medic scheduling recommendations to operations managers.
- Technologies used: Python, T-SQL, Microsoft SQL Server

Great Lakes Summer Fellow
Ann Arbor, MI

University of Michigan
May 2018 to Aug 2018

- Proposal for data management improvements for 15 stations and buoys in the Great Lakes. Data were in inconsistent formats and units over time and between stations, ranged over a decade, and stored as flat text files on a server.
- Developed a data processing script to normalize historical time series data from 15 stations and buoys in the Great Lakes (2015-2017; 196 million observations).
- Designed and implemented a time-series database prototype to manage historical and real-time streaming data from the Great Lakes.
- Technologies used: Python, TimescaleDB

NSF REU Fellow
Dauphin Island, AL

Dauphin Island Sea Lab
May 2017 to Aug 2017

- Collaboration with a physical oceanographer and biological oceanographer to design an experiment using existing data that had yet to be analyzed.
- Processed, sanitized, and compiled several years (2009-2012) of CTD data from 15 stations.
- Calculated Model-I linear regressions and statistics to make novel conclusions about the Mobile Bay to shelf transect.
- Won 1st place in the REU poster symposium, awarding full funding to present research at Ocean Sciences Meeting in Portland, OR.
- Technologies used: MATLAB, SeaBird SBE Data Processing, Excel

Skills

Languages	Python (NumPy, pandas, matplotlib, seaborn), SQL, Java, MATLAB
Tools	Git, Microsoft SQL Server, VS Code
Technical Skills	Machine learning (scikit-learn), experimental design, statistics, NLP (NLTK), time series (statsmodels)

Education

Data Science Career Track, Certification
Online

Springboard
July 2019 to present

- 6 month intensive course in data analytics, data visualization, machine learning, hypothesis testing, Python, SQL, and Spark
- Estimated completion: November 2019

Bachelor of Science in Biology
Lafayette, LA

University of Louisiana at Lafayette
May 2018

Honors and Awards

2019	Strange Loop Opportunity Grant
2019	Southern Data Science Conference Diversity Scholarship
2018	CIGLR Great Lakes Summer Fellowship
2016-2018	Rockefeller Wildlife Scholarship
2017	1st place, DISL REU Poster Symposium
2017	NSF Research Experience for Undergraduates Fellowship