

# JENNY RHEE

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## EXPERIENCE

**Data Analyst Intern** – Acadian Ambulance, Lafayette, LA Aug 2018 to present

- 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.

**Great Lakes Summer Fellow** – University of Michigan, Ann Arbor, MI May to Aug 2018

- Analyzed real-time data from 15 stations and buoys in the Great Lakes, their formats, and documentation.
- Developed a data processing script to normalize historical time-series data into a database.
- Designed and implemented a time-series database to manage historical and real-time streaming data from the Great Lakes.

**Research Assistant** – University of Louisiana at Lafayette, Lafayette, LA Apr 2015 to Dec 2017

- Characterized phytoplankton community composition in regions affected by the Deepwater Horizon Oil Spill.
- Collected, filtered, and processed water samples for phytoplankton ecology.
- Cultured and maintained phytoplankton species.
- Processed and compiled biological and chemical data from Vermillion Bay.

**NSF REU Fellow** – Dauphin Island Sea Lab, Dauphin Island, AL May to Aug 2017

- Processed, sanitized, and compiled several years (2009-2012) of CTD data from 15 stations.
- Calculated Model-I linear regressions and statistics to make conclusions about the Mobile Bay to shelf transect.

## SKILLS

Comfortable: Python (NumPy, pandas, matplotlib, seaborn), SQL, Excel  
Some experience: Machine learning (scikit-learn), NLP (NLTK, Gensim, MALLET), MATLAB, Java, time series (statsmodels)

## CERTIFICATES

Georgia Institute of Technology, edX  
MicroMasters in Analytics  
exp. August 2019

## HONORS/AWARDS

Southern Data Science Conference Diversity Scholarship	2019
UM's CIGLR Great Lakes Summer Fellowship	2018
Rockefeller Wildlife Scholarship	2016-2018
1 <sup>st</sup> place, Dauphin Island Sea Lab REU Poster Symposium	2017
NSF Research Experience for Undergraduates Fellowship	2017
Pinnacle Scholarship	2010

## EDUCATION

**University of Louisiana, Lafayette**  
B.S. Biology  
May 2018

## PRESENTATIONS

Improving the management of real-time data in the Great Lakes Aug 2018  
Oral, Great Lakes Summer Fellows Symposium, Ann Arbor, MI

Nutrient flux and physical stability drive phytoplankton biomass variability along the Alabama shelf Feb 2018  
Poster, Ocean Sciences Meeting, Portland, OR

Nutrient flux and physical stability drive phytoplankton biomass variability along the Alabama shelf Aug 2017  
Poster, REU Poster Symposium, Dauphin Island, AL