

JENNY RHEE

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EXPERIENCE

Data Analyst Intern

Acadian Ambulance

📅 Aug. 2018 – May 2019

📍 Lafayette, LA

- 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

University of Michigan

📅 May – Aug. 2018

📍 Ann Arbor, MI

- 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 PostgreSQL-based database, TimescaleDB
- Designed and implemented a time series database to manage historical and real-time streaming data from the Great Lakes

Technologies used: Python, TimescaleDB

Research Assistant

University of Louisiana at Lafayette

📅 Apr. 2015 – Dec. 2017

📍 Lafayette, LA

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

Technology used: Excel

NSF REU Fellow

Dauphin Island Sea Lab

📅 May – Aug. 2017

📍 Dauphin Island, AL

- 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
- 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

Python

SQL

data cleaning

Git

machine learning

NLP

Excel

Java

MATLAB

time series

EDUCATION

MicroMasters Statistics & Data Science

Massachusetts Institute of Technology

📅 exp. May 2020

📍 edX

Certificate: Computing for Data Analysis

Georgia Institute of Technology

📅 Jan – May 2019

📍 edX

Math and CS Coursework

University of Louisiana at Lafayette

📅 Aug. – Dec. 2018

📍 Lafayette, LA

B.S. Biology

University of Louisiana at Lafayette

📅 May 2018

📍 Lafayette, LA

HONORS & AWARDS

- Strange Loop Opportunity Grant
- Southern Data Science Conference Diversity Scholarship
- UM's CIGLR Great Lakes Summer Fellowship
- Rockefeller Wildlife Scholarship
- 1st place, Dauphin Island Sea Lab REU Poster Symposium
- NSF Research Experience for Undergraduates Fellowship
- Pinnacle Scholarship

PRESENTATIONS

Improving the management of real-time data in the Great Lakes (Oral)

Great Lakes Summer Fellows Symposium

📅 Aug. 2018

📍 Ann Arbor, MI

Nutrient flux and physical stability drive phytoplankton biomass variability along the Alabama shelf (Poster)

Ocean Sciences Meeting

📅 Feb. 2018

📍 Portland, OR

Nutrient flux and physical stability drive phytoplankton biomass variability along the Alabama shelf (Poster)

REU Poster Symposium

📅 Aug. 2017

📍 Dauphin Island, AL