

DIBRAN REXHEPI

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EDUCATION

Data Science Certificate | Nashville Software School

June 2020

Master of Science in Professional Science-Biotechnology | Middle Tennessee State University

May 2020

Bachelor of Science in Biology | Trevecca Nazarene University

May 2013

RELEVANT EXPERIENCE

Apprentice Data Scientist

August 2019-Present

Nashville Software School, Nashville, Tennessee

- Hands-on experience applying data analytical skills to extract, transform, and load data for data science projects using Python, R, and SQL.
- Developing Python, R, and SQL solutions using libraries and packages from the data science toolkit: pandas, numpy, scikit-learn, statsmodels, matplotlib, sqlalchemy, BeautifulSoup, ggplot2, tidyverse, caret, shiny.
- Apply statistical, mathematical, and analytical skill against real-world business problems drawn from problem domains such as server cluster management, earthquake prediction, affordable housing, healthcare, sports, and transportation.
- Collaborated with team members regarding various projects such as:
 - Environmental Risk and Resource Awareness - Earthquake predictions and Geospatial information systems. Effectively communicated and guided the group using Python and the various packages including **pandas**, **BeautifulSoup**, **geopandas**, and **ipywidgets**.
 - Business Analytics - Advanced Computing Center for Research and Education (ACCRE) data. Established a three-member productivity team and delegated tasks to the members. Utilized Python and five packages performing analysis that resulted in three academic departments that were directly responsible for 75% of hindered productivity.
 - Business Analytics - Extracted Nashville Hub data to identify performance of contractors based on customer complaints. Directly responsible for mining and wrangling the data. Conducted analysis using Python and five packages including **datetime**, **numpy**, and **shapely**. Results showed that a mass majority of the complaints were from one contractor alone.
 - Education - Predicted high school graduation rate and identified driving factors using R and various libraries including **tidyverse** and **ggplot2**.
 - R shiny - Engineered a web-based app using R shiny to investigate team performance of La Liga soccer league. Scraped and performed data cleaning to compile a desired dataset using Python. Handled exploratory data analysis and data visualization using R. <https://drexhepi-laliga.shinyapps.io/la-liga-soccer-data-exploration/>

Graduate Assistant, Department of Biology

January 2019-May 2020

Middle Tennessee State University, Murfreesboro, Tennessee

- Conduct investigative research using NGS to provide answers for demanding research questions.
 - Collect, analyze, and interpret sensitive research data using Excel. Implemented cyverse, igv, and perl to visualize and confirm the changes that occurred in the evolved strains that potentially allowed E. coli to use acetate as a carbon source. The findings showed that the variants had mutated base-pairs that were responsible for the use of acetate as the carbon source instead of glucose.
 - Leverage open source bioinformatic tools such as GenSAS and Apollo for re-annotation purposes.

Environmental Data Analyst

January 2014-August 2018

Pace Analytical, Mount Juliet, Tennessee

- Supervised and facilitated a team of five in analyzing data, maintenance of engineering instrumentations, and troubleshooting.
- Operated data analysis on client process samples using LIMS of over 50 different methods resulting in a five-day turnaround.
- Reviewed and revised Standard Operating Procedures (SOP) for data reporting.

TECHNICAL PROFICIENCIES

Machine Learning, Python, SQL, Excel, R, R shiny, Perl