

Will Torres

(516) 502-5491 | torrwille@gmail.com | [linkedin.com/in/torreswill](https://www.linkedin.com/in/torreswill) | github.com/torrwill

EDUCATION

Adelphi University

Garden City, NY

B.S. in Computer Science / M.S. in Applied Mathematics and Data Science, degree anticipated 2023

GPA 3.75

Related Courses: Machine Learning, Data Structures, Algorithms and Complexity, Database Management Systems, Calculus 1 + 2, Statistics and Data Analytics (R), Introduction to Programming (Python), Intermediate Programming (Java), Survey of Programming Languages (C, C++)

SKILLS

Programming Python, R, SQL, Java, C, C++, PHP, Git

Libraries NumPy, Pandas, Matplotlib, Seaborn, Keras, TensorFlow, Scikit-Learn, SQLAlchemy

Tools Azure, AWS, Docker, MS SQL Server, Tableau, Agile Methods, Microsoft Office (PowerPoint, Excel, Word)

PROJECTS

Genre Classification using K-Nearest Neighbors and Spotify API

November 2021 – January 2022

Personal Project

- Developed a K-Nearest Neighbors (KNN) algorithm to classify similar genres and subgenres of Rock, Techno, and Rap.
- Scraped playlists using the Spotify API, Pandas, and NumPy; Visualized data using Seaborn and Matplotlib.
- Attained an accuracy rating of 70%, 80%, and 82%.

Cointegration Analysis of COVID-19 Transmission at State and County Levels in the US

May 2021 – August 2021

Research Project, University of Tennessee, Chattanooga (NSF-REU Funded)

- Automated the cointegration analysis of 3000+ US counties using zoo, forecast, VARS, and Imtest.
- Tidied data with tidyverse, lubridate, and dplyr; Visualized cointegrated states using ggplot2.
- Assisted with training Twitter data using Keras to be used in conjunction with US State data.

Agent-Based Model of Honeybee Overwintering

January 2020 – May 2021

Research Project, Adelphi University (NSF-DMS Funded)

- Simulated the honeybee overwintering process using NumPy, Pandas.
- Visualized how survival is affected by climate change with PyGame.
- Tidied, analyzed, and visualized simulation data using tidyverse, lubridate, dplyr, and ggplot2.

WORK EXPERIENCE

Adelphi University

Garden City, NY

Teaching Assistant

January 2021 – Present

- Provided individual and small group instruction for students in Statistics and Calculus 1.
- Assisted students with programming and computer software skills in Python, R, Excel, and LaTeX.

IT Project Management Assistant

September 2019 – December 2019

- Assisted with 30+ projects, portfolios, and department management activities required to support the IT Department.
- Created, monitored, and updated milestone reports, dashboards, spreadsheets, forms, and the IT Department's database.

ON-CAMPUS INVOLVEMENT

Adelphi University

Garden City, NY

Co-Captain, Intramural Volleyball, Badminton, and Soccer Team

October 2021 – Present

Event Coordinator, Environmental Action Coalition

September 2019 – December 2021

Writer, The Delphian

September 2021 – November 2021