

# Dan Murphy

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GitHub: [github.com/d-murphy](https://github.com/d-murphy)

## Experience

**Recurse Center** | New York, NY | **Participant** Apr 2021 - Present

- Using Flask, created a [web application](#) to host video training and track user progress. Created an API service to connect to an admin analytics dashboard built with React.
- Created a dashboard visualizing data on [Spacewalks](#) with React and D3. Project goals included data wrangling with public API data, integrating the React and D3 libraries and utilization of CSS media queries for a mobile friendly layout.
- [Data visualization](#) on Strava running data built with D3 to focus on the creation of different chart types.
- Built an [Airport Code Quiz](#) in React to work on streamlined user input and experiment with CSS animations.

**Independent Study** November 2019 – March 2021

- Online training with Front End Masters and Free Code Camp to improve abilities with JavaScript and CSS.
- To advertise library programming across towns, built a Node.js Express [web application](#) with Auth0 integration.
- Authored a [chrome extension](#) to map library catalog results.
- Used D3 to create a [racing bar chart](#) to showcase the winners of the annual Big East Tournament.

**PSEG Long Island** | Hicksville, NY | **Lead Analyst** October 2016 – March 2021

- Increased department level business intelligence while dramatically reducing effort needed for manual reports on safety performance and employee training with R scripts and excel templates.
- Gained proficiency with several R libraries (dplyr, tidyr, ggplot) to automate data wrangling and visualization.
- Special project with outside department to identify optimal response predictions utilizing python script with scenario testing in Tableau.
- Created an interactive dashboard to review GPS tracking of company drivers. Used python to ETL data from different sources (APIs, CSV files) to prepare for data visualization in Tableau.
- Presented results and analysis to senior leaders and employees.

**Cleary Gottlieb Steen & Hamilton** | New York, NY | **Knowledge Management Specialist** 2010 – 2014

- Managed a client-facing website tracking the regulatory implementation of the Dodd-Frank financial reforms.
- Trained attorneys on Knowledge Management tools via formal presentations and interactions on the KM Help Desk.
- Created extensive help documentation for all KM applications on the firm's wiki platform.
- Issue tracking in JIRA

**West Islip Public Library** | West Islip, NY | **Librarian** 2015 – Present

- Evening training classes in Excel (Intro, functions, pivot tables and charts), PowerPoint, and Google Apps

## Education

**Baruch College, Zicklin School of Business** | New York, NY | **MS in Quantitative Modeling** 2014 – 2016

- Courses Completed: Advanced Statistical Computing, Object-Oriented Programming in C++ (2 semesters), Data Mining for Business Analysis, Quantitative Modeling, Modern Regression Analysis, Simulation Modeling and Analysis

**Providence College** | Providence, RI | **BA in Economics** 2003 – 2007

**St. John's University** | Queens, NY | **M. Library Science** 2008 – 2010