

# Ederlyn M. Tanangco

## Data Scientist | Data Analyst

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Motivated in pairing my psychology background with my marketing and operations management experience in telling meaningful stories with data. Inspired to help translate large data into actionable results to be able to connect consumers with products and services in a team setting.

### SKILLS

- Programming Languages: Python
- Machine Learning & Libraries: Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Natural Language Processing, Sentiment Analysis, Statistical Analysis, Predictive Modeling, Predictive Analytics, Cluster Analysis
- Analytical Tools: Data Visualization, Jupyter Notebook, Microsoft Excel, VS Code, Git, GitHub

### EXPERIENCE

#### Data Science Immersive | General Assembly | Washington, D.C. | Mar 2020–June 2020

Applied skills in computer programming and statistics in a 12 week full-time course. Developed a portfolio of projects:

- **Beer Recommender Application:** Dataset was taken from Kaggle was analyzed, cleaned and performed Exploratory Data Analysis. Used clustering methods such as, KMeans and DBSCAN. Evaluated the model using K-Nearest Neighbors. Produced an application that returned similar beers to users using the Sci-Kit Learn library's Pairwise Distances & Cosine Similarity.
- **Client Project:** Scraped Twitter using a wrapper specifically for Twitter. Pulled 60k posts with relevant keywords to "coronavirus" and "executive orders". Completed a sentiment analysis on the posts that were pulled.
- **Web API & NLP:** Scraped the Reddit website using the Reddit Pushshift.io API. Pulled keywords relating to "food" and "health" to see which keyword would be most beneficial to market when conceptualizing an application for development. Completed National Language Processing (NLP) to clean and process the data. Models used: Multinomial Naive Bayes, pipelined with Logistic Regression, Tfidf with CountVectorizer to model.

#### All Plumbing, Inc. | Arlington, VA | Aug 2007–Feb 2020

##### Operations Manager

- Led an office team of 6 and a field team of 25
- Integrated the main customer server system from Servicom to FieldEdge with the IT team that mainstreamed invoicing and work-order tickets, improving efficiency in daily operations.
- Worked with a team to monitor clients needs in order to implement short and long-term goals.

##### Marketing Manager

- Managed the company website development and maintenance, working with software developers to ensure responsiveness. SEO and site improvements generated 85,000 online impressions, leading to 75–90 unique calls per month.

#### General Services Administration | Washington, D.C. | Feb–May 2014

##### UI/UX Intern

- Conducted research on UX/UI materials to prepare government websites for the transition to responsive mobile and desktop sites.
- Conducted wireframing research on approximately 50 randomly selected individuals.
- Presented user-related research ideas for improving mobile website testing, to increase efficiency and usability. Presented research found on each government website that was moving towards mobile web integration and responsiveness.

### EDUCATION

#### General Assembly, Data Science Immersive | Washington, D.C | March 2020–June 2020

#### George Mason University | B.S. Psychology | Fairfax, VA | Jan 2010–May 2014