Jennifer Sun

Data Analyst and Information Visualization Designer

linkedin: jennifersunny

github: jennysun

Jennifer.ytsun@gmail.com

|  |  |
| --- | --- |
| **Education**  **New York University**  *BA, Economics*  VP: University Cohort  Class of 2018  **Skills**  **Program Languages**  Python  SQL  Git  HTML/CSS  D3.js  **Libraries**  Libraries  Pandas  NumPy  Scikit-Learn  NLTK  Beautiful Soup  Selenium  FB Prophet  Streamlit  **Machine Learning**  **Algorithms**  Regression  Classification  Clustering  Dimensionality Reduction  Natural Language  Processing  Unsupervised Learning  Time Series Forecasting  **Visualizations**  Tableau  Matplotlib  Seaborn  Domo  **Language**  Mandarin (Proficient) | **Experiences**  **Metis** Fall 2020 – Winter 2020  *Data Scientist*  New York  Completed an intensive data science bootcamp. Designed and executed five end-to-end data science projects during 12 weeks of immersive training in data analysis and machine learning  PROJECTS:  Fire Forecasts   * + Created an app that generates 24-month forecasts for fire rates at a national, regional, and county levels, including exogenous weather data at the county level   + Tools: Time series forecasting (FB Prophet, ARIMA, SARIMA ), NAOO API, Streamlit   The Climate on Climate Change   * + Explored topical focuses and biases on climate change within the 2000+ articles in New York Times’ new Climate Section, with NLP and unsupervised learning   + Tools: Topic modeling (LDA, LSA, NMP, Corex); NLP pre-processing with CountVectorization and lemmartization   Story of Wildfires   * + Classified over 1.8 mill unique wildfires into 8 different class sizes to predict for extreme wildfires responsible for 79% of total acres burned in the US   + Tools: Classification algorithms (Logistic Regression, KNN, Decision Tree, Random Forest, Naïve Bays, XGBoost), ROC-AUC Curves, Sci-kit Learn   **United Nations Global Pulse** Winter 2017 – Winter 2018  *Data Visualization Intern*  New York, NY  Conducted research and explored big data application for humanitarian action  PROJECTS:   * Developed capstone project on the European Migrant Crisis (2010s) analyzing effects of off-line events on online levels of hate speech targeting refugees, including 2M+ tweets and 30+ relating events, * Oversaw project management process including collaborating with UN agencies to establish project domain and deliverables * Tools: Machine learning software Crimson Hexagon for sentiment analysis, D3.js for dynamic visualizations showcasing project insights   **ShareThis** Summer 2016 – Summer 2017  *Data Analyst Intern*  New York, NY   * Created interactive dashboards that communicated internal data and KPIs on Tableau * Produced client data reports and partnered on A/B tests to support marketing teams * Led analyses on operational expenses, resulting in a 5% decrease for the company quarter   **Glanstone Capital** Summer 2018 – Winter 2019  *Private Equity Analyst - Healthcare*  New York, NY   * Leveraged operational and strategic support for firm’s portfolio company with a focus on data and technology, resulting in quarterly revenue up 15% yoy * Frequently presented to key stakeholders, including management and the BOD |