Jennifer Sun

Data Analyst and Information Visualization Designer

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| **Education****New York University***BA, Economics*VP: University CohortClass of 2018**Skills****Program Languages**PythonSQLGitHTML/CSSD3.js**Libraries**LibrariesPandasNumPyScikit-LearnNLTKBeautiful SoupSeleniumFB ProphetStreamlit**Machine Learning****Algorithms**RegressionClassificationClusteringDimensionality ReductionNatural Language ProcessingUnsupervised LearningTime Series Forecasting**Visualizations**TableauMatplotlibSeabornDomo**Language**Mandarin (Proficient) | **Experiences****Metis** Fall 2020 – Winter 2020*Data Scientist*New YorkCompleted 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 learningPROJECTS: 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, NYConducted research and explored big data application for humanitarian actionPROJECTS:* 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
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