

JED WEBSTER

New York Metropolitan Area

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EDUCATION

	RENSSELAER POLYTECHNIC INSTITUTE	Troy, NY
2021	Master of Science, Applied Mathematics <ul style="list-style-type: none">• <i>Selected Coursework</i> – Machine Learning, Computational Optimization, Computational Linear Algebra, Methods of Applied Mathematics• <i>GPA</i> – 3.73/4.00	
2020	Bachelor of Science, Applied Physics and Mathematics, Minor in Economics <ul style="list-style-type: none">• <i>Selected Coursework</i> – Numerical Computing, Numerical Linear Algebra, Numerical Methods for Differential Equations, Quantum Physics• <i>GPA</i> – 3.20/4.00	

EXPERIENCE

	UNDERSTOOD	New York, NY
Present	Data Science Research Assistant – <i>Research and Modeling, Technology</i> <ul style="list-style-type: none">• Wrote software to define an ETL process for a novel mixed media model allowing for dynamic adjustment of input features and setting a framework for a fully automated production pipeline• Cleaned raw input data and performed EDA to ensure model fidelity• Constructed a generalizable series of models to illuminate multi-level advertising trends and reactions to adjustment in marketing strategy	
Spring 2021	Data Science Intern – <i>Research and Modeling, Technology</i>	
	SIRIUSXM	New York, NY
Summer 2020	Corporate Finance Intern – <i>Subscriber Analytics, Finance</i> <ul style="list-style-type: none">• Created a regression model for monthly churn using shallow learning methods, significantly improving upon legacy model• Development processes included scraping, cleaning, organization, and preparation of datasets; exploratory data analysis and visualization for feature selection; time series forecasting; and model validation	
	STONY BROOK UNIVERSITY	Stony Brook, NY
Summer 2019	Research Assistant – <i>Storm Surge Research Group, SoMAS</i> <ul style="list-style-type: none">• Generated a bespoke unstructured variable-resolution mesh grid for finite element analysis of coastal ocean dynamics• Performed ADCIRC tidal modeling to simulate flow vectors and surge height in the south shore inlet system of Long Island	

SOFTWARE

Languages:

- Python, SQL, MATLAB, Java, LaTeX

Libraries:

- pandas, scikit-learn, NumPy, SciPy, statsmodels, Matplotlib, seaborn, PySpark, Keras

Tools:

- Snowflake, Databricks, Git, Looker, Jira, Docker, Kubernetes, Apache Airflow, GCP, AWS