

# Zhenya Warshavsky

Brooklyn, NY | (415) 272-1180 | [zwarshavsky@gmail.com](mailto:zwarshavsky@gmail.com) | [GitHub](#) | [LinkedIn](#) | [Portfolio Site](#)

## TECHNICAL SKILLS

*Development Process Skills:* Scrum, Waterfall, Program Management, Team management, Strategy, UX / UI

*Programming Expertise:* Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), Tensorflow, PostgreSQL

*Frameworks:* Flask, Django, Plotly Dash, Spark

*Skills:* GIS, Data analysis, Predictive Analytics, Neural Networks, Website analytics analysis, DSP

*Platforms:* AWS (ECS, EMR, Sagemaker, RDS, Athena), Snowflake | *Certifications:* AWS Certified Cloud Practitioner

## CURRENT WORK EXPERIENCE

*Data Scientist, Project Canopy*

May 2020 - Present | NYC

- Pioneering Data Science processes in a growing environmental technology organization
- Creating ETL pipeline for GIS satellite spectral analysis for the Congo Basin, world's second largest rainforest
- Prototyping TensorFlow Computer Vision models for detecting drivers of deforestation

## DATA SCIENCE PROJECTS

**Sound Drip, Technical Data Science Lead,** [Project Link](#), January 2020 – June 2020

- Created the largest publicly available Spotify song dataset to be used for training
- Applied ML clustering algorithms / NLP for song predictions
- Created Flask REST API on AWS EB connected to PostgreSQL on AWS RDS for storing user interaction data

**Deep Bass Audio Detection,** *Stampede Sound,* [Company Site](#), 2017 - 2020 (ongoing)

- Creating proprietary audio analysis algorithm using Librosa as solution for audio processing pipeline

**Spotify Playlist Predictions,** *Lambda School,* [Project Link](#), 2019

- Utilized the XG Boost ML algorithm for predicting whether a track would be skipped on a Spotify playlist
- Launched on Heroku utilizing the Plotly Dash Platform

**NYC 311 Data Analysis,** *Stampede Sound / Lambda School,* [Project Link](#), 2019

- Conducted data cleaning / statistical analysis to locate venues with disproportionate 311 complaints
- Generated valuable business intelligence used directly in an active company's sales process

## PREVIOUS WORK EXPERIENCE

*Data Solutions, Stampede Sound*

2015 - 2020 | NYC

Product and software solutions for Stampede Sound, a pro-audio startup specializing in custom sound system engineering

- Increased annual profit margin by 200% through product and business intelligence efforts

*Technical Project Management Consulting, Multiple Companies*

2014 - 2019 | NYC

- Performed technical project management for Samsung, Pfizer, Razorfish, and Mercedes-Benz digital properties
- Managed \$500K - \$3M budgets
- Consulted on technical and process solutions

*Senior Technical Project/Program Manager, Multiple Companies*

2007 - 2014 | San Francisco / NYC

- Embedded Senior Technical Project manager spanning strategic and tactical support for digital project execution
- Extensive team management experience
- Companies included: Electronic Arts, Usablenet (Macy's, Victoria's Secret, Sunglass Hut), Doremus, Boombox

## EDUCATION

**Data Science Program,** Lambda School, 2019-2020

*Coursework:* Data Engineering, Computer Science, Descriptive Statistics, Predictive Statistics, Machine Learning, Deep Learning

**San Francisco State University,** Double B.A in Comparative Literature / Linguistics

*Honors:* Summa Cum Laude, Phi Beta Kappa honor society