

Zhenya Warshavsky

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TECHNICAL SKILLS

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

Programming Expertise: Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), Tensorflow, SQL, MongoDB

Frameworks: Flask, Django, Plotly Dash, Spark

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

Software: Adobe Marketing Suite (Omniure), Google Analytics, Github, Visio, MS Project, Adobe Suite, AtTask, Atlassian Suite

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

DATA SCIENCE PROJECTS

Sound Drip, Technical Data Science Lead, [Project Link](#), 2020 (ongoing)

- 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 DJ performance preprocessing 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

WORK EXPERIENCE

Data Scientist, Project Canopy

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 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