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 (Omniture), 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**   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 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