

# 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), SQL, PostgreSQL, MongoDB

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

*Skills:* Data analysis, Predictive Analytics, NLP, Neural Networks, Website analytics analysis, Audio signal processing

*Software:* Adobe Marketing Suite (Omniure), Google Analytics, Github, Perforce, Devtrack, Quickbase Visio, MS Project, OmniPlan, Adobe PS, AtTask, Atlassian Suite, Rally

*Platforms (AWS):* S3, ECS, EBS, Sagemaker, RDS, EC2, Snowflake

## DATA SCIENCE PROJECTS

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

- Aggregated the largest publicly available Spotify song dataset
- Applied ML clustering algorithms / NLP for song predictions
- Created Flask endpoint running on AWS EBS connected to PostgreSQL on AWS RDS for storing user interaction data

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

- Creating proprietary audio analysis algorithm using Librosa as solution for DJ performance preprocessing pipeline
- Building standalone client with a development partner slated for preview release Summer 2020

**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 (ongoing)**

- Conducted data cleaning / statistical analysis to locate venues with disproportionate 311 complaints
- Generated business intelligence

## WORK EXPERIENCE

*Data Solutions, Stampede Sound*

2015 - Present | NYC

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

- Produced visible and growing footprint amongst notable NYC venues
- Performed audio analysis / DSP software development
- Product managed physical speaker design products

*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 / Russian Linguistics, 2002 - 2006**

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