

# 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 for song predictions
- Created Flask endpoint running on AWS EBS connected to PostgreSQL on AWS RDS for user interaction data
- Applied NLP on song title / scraped lyrical data

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

- Utilized Python's Librosa Library to generate proprietary audio analysis algorithm as solution for a DJ performer's 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)**

- Data Cleaning / Statistical Analysis
- Generated business intelligence useful for my company's sales team

## 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

- visible and growing footprint amongst notable NYC venues
- audio analysis / DSP software development
- physical speaker design product management

*Technical Project Management Consulting, Multiple Companies*

2014 - 2019 | NYC

- Technical project management for Samsung, Pfizer, Razorfish, and Mercedes-Benz digital properties
- \$500K - \$3M budgets
- Technical and process solutions consulting

*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