Zhenya Warshavsky

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TECHNICAL SKILLS

Programming Expertise: Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Rasterio), PostgreSQL
Frameworks: Flask, Django, Plotly Dash, Spark, Tensorflow, PyTorch, Google Earth Engine
Skills: GIS, Data analysis, Predictive Analytics, Deep Learning, Computer Vision, Website analytics analysis, DSP
Platforms: AWS (ECS, EMR, Sagemaker, RDS) | *Certifications:* AWS CCP | GCP
Project Engineering Management Skills: SDLC, Scrum, Waterfall, Program / Product Management, Team management, Strategy

CURRENT WORK EXPERIENCE

Data Scientist, **Project Canopy**   May 2020 - Present | NYC
- Prototyping TensorFlow Computer Vision models for detecting drivers of deforestation
- Developing Production Inference Pipeline on AWS EKS
- Creating ETL pipeline for geospatial satellite imagery data for the Congo Basin, world's second largest rainforest
- Principal consultant on data infrastructure decisions
- Pioneering Data Science processes in a growing environmental technology organization

DATA SCIENCE PROJECTS

Sound Drip, Technical Data Science Lead, [Project Link](#), January 2020 – June 2020
- Created the largest publicly available Spotify song dataset for ML 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 - 2021 (ongoing)
- Creating proprietary audio analysis algorithm using Librosa as solution for audio processing pipeline

NYC 311 Data Analysis, *Stampede Sound / Lambda School*, [Project Link](#), 2019
- Conducted data cleaning / statistical analysis which directly generated 200% growth

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