



SKILLS

Technical: Python, Pandas, Scikit-Learn, Matplotlib, Seaborn, HTML, SQL, G- Suite, Asana, Slack, MongoDB, Docker, spark, numpy, git, NLTK, Gensim

Statistics, Modeling & Machine Learning: Power Analysis, Bayesian Statistics, Decision Trees and Ensemble Models, A/B Testing, Linear & Logistic Regression, kNN, Gradient Descent, ROC & Profit Curve, SVM, NLP, Naive Bayes, SVD.

EXPERIENCE

JAN 2019 — MAY 2019

GALVANIZE, SAN FRANCISCO, DATA SCIENCE IMMERSIVE

- 700+ hour industry-driven data science immersive training program covering core data science areas and skills including probability and statistics, databases, machine learning algorithms, and data visualization. Main technologies used: Python, SQL, Pandas, Scikit-Learn, MongoDB, Spark.

CASE STUDIES:

- Fraud Detection: NMF and K-Means, NLP, and random forest classifier to predict Fraudulent Event Inquiries. Flask web app.
- Movie Recommender: Logistic Regression model w/82 % accuracy.
- Churn Prediction: Gradient Boosting Classifier. Archived 77 % accuracy on unseen test data. Proposed 4 different promotional ideas based on the output of profit matrixes and ROC Curve.
- Linear Regression Case Study: Predicted prices for tractors for the enterprise. Data EDA and Feature Engineering, linear models (lasso and ridge). RMSE evaluated.

CAPSTONE PROJECT:

- NLP based AI Emotion Detector and Latent Dirichlet Allocation Topic Modeling in Suspended Elections Related Twitter Accounts (public Twitter dataset on Elections Integrity).
- I completed a comprehensive EDA and unsupervised learning focused research containing over 500 lines of Python code aimed to find any hidden and latent features that can help us identify malicious state-backed actors in future classifiers. Using an additional open source dataset containing over 23.000 words statistically classified into 7 basic emotions I built an AI Emotion Detector and observed that *among suspended tweets fear was dominant in overall emotion composition*.
- Additionally, I used LDA model to identify the most common social conversations for social conversation among suspended accounts. 94 % of suspended tweets were concentrated around American politics, scandals, hate. I achieved u_{mass} gensim coherence score of 0.7 for my LDA model.

NOVELA, SAN FRANCISCO, ASSISTANT GENERAL MANAGER

MAR 2017 — DEC 2017

- Managed highly successful event venue and lounge in FiDi with 20+ employees.
- Presented company daily through multiple interactions with customers, vendors, investors etc. Facilitated and managed high profile corporate events during major SF business conferences.

DOSA, SAN FRANCISCO

JUL 2010 — APR 2017

MULTI UNIT ASSISTANT GENERAL MANAGER

JAN 2015 — APR 2017

MULTI UNIT MANAGER + MARKETING MANAGER + MAITRE D, HOST

JUL 2010 — JAN 2015

- Managed a team of 50+ including 5+ managers across two locations in San Francisco. Analyzed P&L and budgets weekly and proactively implemented solutions. Minimized excessive labor. Payroll.
- Implemented new technologies and partnerships for DOSA: Moved DOSA from OpenTable to SeatMe (Yelp) and significantly reduced associated costs. Grew on-demand online ordering business via partnering with Caviar (Square), Doordash, Eat24, Uber Eats. Increased effectiveness by incorporating Asana and Slack to the workplace as well as transitioned to Breadcrumb from Micros POS
- Provided all necessary support for ownership to run a successful profitable business in San Francisco. Proved to be resourceful, solution-oriented, having a clear head on business objectives.

EDUCATION

- National Research Nuclear University MEPhI (Moscow Engineering Physics Institute).
Masters Degree in Psychology (USCES Evaluated)
- Lomonosov Moscow State University. Psychology, Social Psychology