Jonathan Cheung

jonathancheung96@gmail.com | (415) 336-4465 | San Francisco, CA
linkedin.com/in/jonathan-cheung3 | github.com/JonathanC4

TECHNICAL SKILLS

Programming: Python, PostgreSQL, API/JSON

Analytical and Modeling Tools: Exploratory Data Analysis, Pandas, SK-Learn, Numpy, Statsmodels, Cross-validation, Time Series Analysis (ARIMA), TensorFlow/Keras, A/B Testing, MS Excel

Machine Learning: Supervised Learning, Generalized Linear Model, Classification, SVM, NLP, GridSearch, Pipelines, Neural Networks, Unsupervised Learning, Clustering, Principal Component Analysis, Transfer Learning

Data Visualization: Matplotlib, Seaborn, Folium

DATA AND RELATED PROJECTS

DSI Capstone
- Extracted 10 years of historical Tesla stock price data from Yahoo Finance using the lxml module for web scraping
- Performed time series analysis by constructing correlograms (P/ACF plots) and time plots, conducting Augmented Dickey-Fuller tests, log transforming and data imputing
- Forecasted stock prices for subsequent weeks using ARIMA methods, LSTM models and 95% confidence intervals

Mapping COVID-19
- Developed a sentiment analysis model that attempted to correctly map COVID hotspots in California using only text data retrived from Twitter
- Built an interactive heatmap using Folium, plotting sentiment scores by county against actual outbreak regions
- Aggregated clinic data using pandas to display daily updates to confirmed cases and death counts

Team Lead, Management Consulting
- Developed a proposal with 3 different data collection methods and 2 change management models and presented the project framework to the client.
- Analyzed data collected from interviews, questionnaires, and observations and diagnosed two major management issues for the department.
- Spearheaded a meeting with the client to determine areas of improvement which led to the proposal of the following interventions: 360-degree feedback, salary renegotiation, career planning and development workshops.

PROFESSIONAL EXPERIENCE

Analyst, ALLIANT INSURANCE – San Francisco, CA (January 2019 – March 2020)

- Responsible for day-to-day operations and ad hoc reporting with Excel tools for 13 mid-market to big business accounts including Dolby, Micro Focus, Niantic, and FireEye
- Constructed detailed benefits matrices using Excel visualizations for business proposal requests and developed insurance coverage grid templates that increased efficiency for contract audits
- Coached 4 new team members over a span of 1 year on company procedures for client deliverables and delegated tasks from the org-wide request pool for training

Case Manager, GENENTECH INC. – South San Francisco, CA (August 2018 – December 2018)

- Managed referrals from 10 major accounts across 3 states using Salesforce CRM software and provided coverage counseling to over 200 patients in one quarter
- Conducted payer research/investigations, identified payer trends and contributed to company knowledge base to ensure compliance with payer policies and timelines

EDUCATION

Data Science Immersive, GENERAL ASSEMBLY – San Francisco, CA (March 2020 – June 2020)

- Completed 480+ hours of data science coursework relating to statistical models and theories, linear algebra, machine learning algorithms, data structures and AWS cloud computing.
- Participated in a Kaggle project competition constructing models to predict housing prices in a neighborhood and delivered biweekly research reports through Medium blog entries.

San Francisco State University C/O August 2018 | B.S. Business Administration *(Management Concentration)*