JACKIE TRANG NGUYEN

1145 Market Street 9th Floor · San Francisco, CA, 94103
trang18@minerva.kgi.edu · Website · GitHub · LinkedIn

Education

Minerva Schools at KGI   San Francisco, CA
Candidate for Bachelor of Computational Sciences, Concentrating on Data Sciences   Expected May 2022
- Relevant Coursework: Predictive & causal statistics, Algorithms & Data structures, Calculus 1&2
- Global rotation: San Francisco, Seoul, Hyderabad

Product School   San Francisco, CA
Product Management Graduate   Mar 2019- Jun 2019
- Coursework: product iterations, user analysis, AB testing & delivered a product vision presentation

Work Experience

Sgmoid   Hyderabad, India
Machine Learning Intern   Jan 2020 - April 2020
- Training image classification models to detect Diabetic Retinopathy from **fastai library** with 92% accuracy and deployed model on **Google Cloud** functions.
- Researching the effect of data set size on model accuracy and learning rate.

Minerva Project - Admission Processing Team   San Francisco, CA
Data Analytics Intern   May 2019 - Sep 2019
- Generated data visualizations from 20,000 data entries using **Python (pandas, NumPy, matplotlib)** to enable cross-team communication on the internal tool's performance.
- Reinforced a comprehensive improvement in the decision-tree evaluation for admission processors through **statistical inferences** and user interviews.
- Reduced data processing time by 30% by cleaning large-scale data using **Excel** and **Python**.

Skills

Language/Software	Competency	Applications
Python	Intermediate	Visualization & analysis, Image processing, Algorithms & Data Structure
HTML/CSS	Beginner	UI for web applications
R	Intermediate	Matching, Synthetic Control (causal inference), Hypothesis testing
Excel	Expert	Cleaning data, filtering

Competitions & Programs

TAVtech - *Data Science and Machine Learning Fellow*   Tel Aviv, Israel
- Selected as 1 of 25 students to study with university professors on Machine Learning.   Dec 2019 - Jan 2020

Facebook Data Challenge - *West Coast Finalist*   Menlo Park, US
- Selected as West Coast finalist after conducting a data analysis roadmap (feature engineering,   Feb 2020
exploration, and predictive modeling) for location optimization in NYC park events.

Selected Writings

- Nguyen, J. T., Md, M., Jin, C(2019). "Genetic Matching and Synthetic Control for policy evaluation in India". Unpublished.

Selected projects

- Deep learning model on blindness detection [Pytorch]. Published.
- Market segmentation using k-means clustering algorithm [R]. Published.
- Predicting Titanic survival using Logistic Regression & Random Forest [Python]. Published.

Leadership

- Minerva Hackathon. Sponsorship Supervisor, responsible for the outreach process to 400 companies to secure 3 packages.
- Israel - Asia Leaders Fellowship. Fellow & Founder of Chutzpah Everyday to promote Israeli entrepreneurship in Vietnam.