

JACKIE TRANG NGUYEN

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Education

Minerva Schools at KGI

Candidate for Bachelor of Computational Sciences, Concentrating on Data Sciences

San Francisco, CA

Expected May 2022

- Relevant Coursework: Predictive & causal statistics, Algorithms & Data structures, Calculus 1&2
- Global rotation: San Francisco, Seoul, Hyderabad

Product School

Product Management Graduate

San Francisco, CA

Mar 2019- Jun 2019

- Coursework: product iterations, user analysis, AB testing & delivered a [product vision presentation](#)

Work Experience

Sigmoid

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, exploration, and predictive modeling) for location optimization in NYC park events.

Feb 2020

Selected Writings

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 [Unpublished](#).

Selected projects

- Market segmentation using k-means clustering algorithm [R]. [Published](#).
- Predicting Titanic survival using Logistic Regression & Random Forest [Python]. [Published](#).
- Data exploratory analysis & Hypothesis testing on Intensive Care Patients Dataset. [Published](#).

Leadership

- Minerva Hackathon. Sponsorship Supervisor, responsible for the outreach process to 400 companies to secure 3 packages.
- Ve Thong Hanh. Founder of a well-established organization providing information about studying abroad via events.

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- Israel - Asia Leaders Fellowship. Fellow & Founder of Chutzpah Everyday to promote Israeli entrepreneurship in Vietnam.