JACKIE TRANG NGUYEN

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Education

Minerva Schools at KGI   Expected May 2022
Candidate for Bachelor of Computational Sciences, GPA: 3.77   San Francisco, CA
- Relevant Coursework: CS110 Algorithms and Data Structure, CS112 Predictive & causal statistics, CS111A Calculus, CS111B Linear Mathematical Systems

Work Experience

Girls Who Code   Jun 2020 - July 2020
Teaching Assistant   San Francisco, US
- Assisting 105 high school females in learning web development using **HTML**, **CSS**, **Javascript**
- Coordinating student mentorship groups to deliver project feedback and lead office hours to effectively introduce female students to Computer Sciences

Sgmoid   Jan 2020 - April 2020
Machine Learning Intern   Hyderabad, India
- 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 early stopping, label smoothing, and loss functions on model accuracy and learning rate to report to the manager
- Labeled 200 medical images on Age Related Macular Degeneration for central database

Minerva Project   May 2019 - Aug 2019
Data Analytics Intern   San Francisco, US
- 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

Skills

Language: Python, Javascript
Technologies: HTML, CSS, React, R, SQL
Version control: Git (Github/Gitlab)

Competitions & Programs

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

NASA Apps Challenge - *Top 3 Finalist*   Dec 2019
- Prototyped a time capsule to preserve pictures and soundtrack of human lives to space.

Selected Writings/ Projects

- Nguyen, J. T (2020). "Finding the best flight route with dynamic programming and greedy algorithms". Unpublished.
- Nguyen, J. T., Md, M., Jin, C(2019). "Genetic Matching and Synthetic Control for policy evaluation in India". Unpublished.
- Deep learning model on blindness detection [Pytorch]. Published.
- Women in Engineering Quiz and Color Game [HTML/CSS/Javascript]. Published.
- Predicting Titanic survival using Logistic Regression & Random Forest [Python]. Published.

Leadership/ Activities

- Selected as Tapia Conference Scholar out of 600 applications to attend the Women in Computing Conference.
- Minerva Hackathon. Sponsorship Supervisor, responsible for the outreach process to 400 companies to secure 3 packages
- Minerva Consulting Club. Co-founder, organized weekly meetings for business case studies