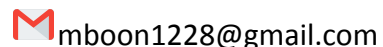
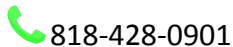


Max Boonjindasup



SUMMARY

Formerly a scientist with 4 years experience in pharmaceuticals and academic research and now pivoting towards data science. Excellent in analyzing large datasets, creating visualizations, developing robust ML models, and delivering data-driven insights for stakeholders.

CERTIFICATES

- Google Data Analytics (In progress)
- IBM Python for Data Science (In progress)

PROJECTS

Heart Disease Predictor

- Performed exploratory data analysis on ~900 patient samples through NumPy, Pandas, and Matplotlib to identify patterns, handle missing and categorical data, and transform datasets.
- Trained 5 models (kNN, NN, XGBoost, DT, and SVM) using cross-validation, GridSearchCV, scikit-learn, and tensorflow to classify the presence and absence of heart disease and evaluated each model's and accuracy.

Airbnb Analysis

- Analyzed over 50,000 NYC Airbnb entries using NumPy and Pandas and discovered that Manhattan has 80% of the market share, comparison models visualized with Matplotlib and Seaborn.
- Employed 5 regression techniques and achieved a 99% accuracy in predicting geographic location based on pricing information, enabling actionable insights for targeting new clients and optimizing market strategies.

PROFESSIONAL EXPERIENCE

Manager Beverly Hills Arthritis Associates *Beverly Hills, CA* **11/2021 – 11/2022**

- Managed over 120 of the physician's med-legal cases by reviewing attorney letters, serving as the liaison between parties, and submitting reports with medical evaluations for worker's compensation.
- Documented and organized patient data into the Epic electronic health record system (CS-Link) and fulfilled phlebotomy duties.

Associate Scientist Amgen *Thousand Oaks, CA* **07/2019 – 01/2021**

- Developed an end-to-end system that automates Amgen's workflow via data capture, analysis, and reporting for numerous projects, culminating in a company-wide presentation.
- Led multiple method development efforts that progressed 9 drugs towards FDA-approval and market release.

Research Associate II Cedars-Sinai Medical Center *Los Angeles, CA* **03/2021 – 10/2021**

- Created and managed 3 Excel templates to automate data calculation for efficient and accurate experimentation, reducing workloads and transcription errors.
- Researched the interplay between extracellular vesicles, macrophages, and T-cells in muscle regeneration.

SKILLS

- Languages: Python, SQL, R, Matlab
- Data Wrangling: Pandas, NumPy, EDA, Web Scraping
- Data Visualization: Matplotlib, Seaborn, Plotly, Tableau, Excel, PowerPoint
- Machine Learning: Hypothesis & A/B Testing, Regression, Classification, Neural Networks, Scikit-Learn

PUBLICATIONS

1. Stephanie Nelli, Aayushi Malpani, **Max Boonjindasup**, John T Serences, Individual Alpha Frequency Determines the Impact of Bottom-Up Drive on Visual Processing, Cerebral Cortex Communications, Volume 2, Issue 2, 2021, tgab032, <https://doi.org/10.1093/texcom/tgab032>
2. Stephanie Nelli, **Max Boonjindasup**, Aayushi Malpani, John Serences; Alpha entrainment of posterior visual cortex impacts visual detection. Journal of Vision 2017;17(10):976.

EDUCATION

Bachelor's of Science University of California, San Diego *San Diego, CA* **09/2014 – 06/2018**

- Cognitive Science (Machine Learning/Neural Computation)
- Biochemistry and Cell Biology