Max Boonjindasup

Data Scientist

✉ mboon1228@gmail.com   in LInkedIn   ➤ Portfolio   ◯ GitHub   kaggle Kaggle   📞 818-428-0901

Professional 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 Advanced Data Analytics
- IBM Data Science
- Data Science in Healthcare

Skills

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

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*   11/2021 – 11/2022 | Beverly Hills, USA
- **Automated data analysis** of accounting ledger and **identified** nearly **$100,000 in unpaid accounts**.
- Managed over 120 of the physician's med-legal cases, documented patient data into the Epic electronic health record system (CS-Link), and fulfilled phlebotomy duties.

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

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

- 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.

Publications

Individual Alpha Frequency Determines the Impact of Bottom-Up Drive on Visual Processing 🔗
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

Alpha entrainment of posterior visual cortex impacts visual detection 🔗
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 of Science, *University of California San Diego*   09/2014 – 06/2018 | La Jolla, US
Cognitive Science with a Specialization in Machine Learning and Neural Computation

Bachelor of Science, *University of California San Diego*   09/2014 – 06/2018 | La Jolla, US
Biochemistry and Cell Biology