

Max Boonjindasup *Data Scientist*

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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.

Skills

Languages: Python, SQL, R, Git, Matlab

Data Wrangling: Pandas, NumPy, Sklearn

Data Visualization: Matplotlib, Seaborn, Plotly, Tableau, Excel

Machine Learning: Hypothesis & A/B Testing, Regression, Classification, Neural Networks

Certificates

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

Projects

Predicting Employee Retention [✍](#)

- Built employee attrition models (*logistic regression*, *SVM*, and *XGBoost*) that identified 5 key factors for improving employee tenure, leading to a possible 20% increase in project management and employee satisfaction.
- Performed data cleaning, processing, and analysis over a 5-year employee dataset to predict employee retainment or departure and visualized insights through *Pandas* and *Seaborn*.

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.

Relevant Experience

11/2021 – 11/2022
Beverly Hills, USA

Manager, Beverly Hills Arthritis Associates

- **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.

07/2019 – 01/2021
Thousand Oaks, USA

Associate Scientist, Amgen

- 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

09/2014 – 06/2018
La Jolla, US

Bachelor of Science, University of California San Diego

Cognitive Science with a Specialization in Machine Learning and Neural Computation

09/2014 – 06/2018
La Jolla, US

Bachelor of Science, University of California San Diego

Biochemistry and Cell Biology