

Max Boonjindasup

☎ 818-428-0901 ✉ mboon1228@gmail.com in linkedin.com/in/max-boonjindasup ➦ maxboonjindasup.github.io/Max_Portfolio/
🐙 github.com/MaxBoonjindasup 🏠 kaggle.com/maxboonjindasup

Skills

Languages: Python, SQL, R, Git, Matlab

Tools: BigQuery, Tableau, Power BI, Docker, Excel

Modeling: Regression, Classification, Neural Networks, PCA

Statistics: Hypothesis Testing, A/B Testing, Multivariate Analysis

Personal Projects

- 09/2023 – present **Skin Cancer Detector**
- Building a deep learning model (*CNN - 95% recall and F1 score*) that **identifies 7 skin cancer types** and **predicts tumor growth zones**.
 - Deploying the model on a *website to accept photo submissions and help identify malignant lesions*.
- 09/2023 – present **Data Market Analysis: Industry & Experience Decoder for Datanerd App**
- Developing an LLM (*ZeroShotGPTClassifier*) for the Datanerd app that labels industry type and experience levels by processing scraped job posting data.
- 09/2023 – present **Naval Warfare Analysis in the South China Sea**
- Tracking maritime vessel routes and conducting geospatial analysis of disputes related to territorial claims between China, Vietnam, and other neighboring countries.
- 07/2023 – 08/2023 **Predicting Employee Retention** [🔗](#)
- Created an *employee attrition model* (*XGBoost - 98% accuracy and precision*) that identified 5 key factors for improving employee tenure, **leading to a possible 20% increase in project management and employee satisfaction**.
 - Conducted data cleaning, processing, and analysis over a 5-year employee dataset to predict employee retainment and visualized insights through *Pandas* and *Seaborn*.
- 04/2023 – 05/2023 **Heart Disease Predictor** [🔗](#)
- Developed an *ensemble of machine learning models* (*kNN, NN, XGBoost, DT, SVM*) to **classify heart disease presence**. Employed cross-validation and *GridSearchCV* for optimization, resulting in a **neural network with a 100% accuracy**.
 - Performed exploratory data analysis on ~900 patient samples through *NumPy*, *Pandas*, and *Matplotlib* to identify patterns, handle missing/categorical data, and standardize variables.

Relevant Experience

- 11/2021 – 11/2022 **Manager, Beverly Hills Arthritis Associates**
Beverly Hills, USA
- **Automated data analysis** of accounting ledger and **identified** nearly **\$100,000 in unpaid accounts**.
 - Provided leadership to a team of administrative staff, optimizing patient record coordination, while managing over 120 med-legal cases, data documentation in Epic EHR, and phlebotomy duties.
- 07/2019 – 01/2021 **Associate Scientist, Amgen**
Thousand Oaks, USA
- Prototyped an **end-to-end system that seamlessly automates Amgen's workflow**. This encompassed precise data capture, rigorous analysis, and comprehensive reporting for diverse projects, **culminating in a company-wide presentation and subsequent leadership role** for ongoing development.
 - Led multiple development efforts that progressed 9 drugs towards FDA-approval and market release.

Certificates

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

Education

- 09/2014 – 06/2018 **Bachelor of Science, University of California San Diego**
La Jolla, US
Cognitive Science with a Specialization in Machine Learning and Neural Computation
- 09/2014 – 06/2018 **Bachelor of Science, University of California San Diego**
La Jolla, US
Biochemistry and Cell Biology

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.