Joshua Ryan Wong

Dasmariñas, Cavite Philippines | Phone: 09176282045 | joshuaryanwong@gmail.com |
Github: github.com/NoctemApple | Linkedin: linkedin.com/in/joshua-wongn/ | Open to full-time roles
| Work preference: Hybrid in Makati, Taguig, Alabang, Mandaluyong or Remote |
Target Roles: Data Scientist | Data Engineer | Software Developer

PROFESSIONAL SUMMARY

Fresh Computer Science graduate, and Magna Cum Laude with a strong academic background in machine learning, time series analysis, and intelligence systems. Completed several hands-on technical projects involving predictive modeling, deep learning, and NLP using Python, TensorFlow, and Transformers. Skilled in building pipelines, and user-facing applications with Streamlit. Seeking entry-level opportunity to grow as a data scientist, data engineer or software developer to deliver real-world impact.

EDUCATION

De La Salle University - Dasmariñas

BS Computer Science - Intelligent Systems, Magna Cum Laude
GPA 3.58 | 2020 - 2024
Dean's List | Relevant coursework: Machine Learning, Data structures, NLP, Algorithms

EXPERIENCE

TaskUs | Intern July - Sept 2023

- Logged, tracked, and maintained IT assets across departments, ensuring 100% accuracy in records through organized documentation and Excel-based logs.
- Coordinated with IT staff to streamline asset workflows.
- Performed basic diagnostics and troubleshooting of hardware/software issues, helping reduce team downtime.
- Developed a disciplined approach to documentation, task tracking, and cross-team communication.

SKILLS

- **Languages:** Python | Java | SQL | HTML | CSS
- **Libraries & Frameworks:** TensorFlow | Keras | Scikit-learn | Streamlit | Django | Pandas | NumPy | Matplotlib | Seaborn | Prophet | SARIMA
- **Tools & Platforms:** Git | Jupyter Notebook | VS Code | AWS | RapidMiner | Kaggle API
- **Concepts:** Machine Learning | Time Series Analysis | NLP | CNNs | Data Structures & Algorithms | Data Wrangling | EDA | Databases

CERTIFICATIONS

- NDG Linux Essentials.
- CS50 Introduction to Programming with Python.
- CS50's Web Programming with Python and JavaScript (In progress)

TECHNICAL PROJECTS

Integrated Dashboard
GitHub Repo
Developed an end-to-end data science dashboard using Streamlit, integrating data engineering workflows and machine learning model training entirely in-browser.

- Enabled dataset loading via Kaggle API or CSV upload with automatic parsing, data profiling (nulls, types, memory), and interactive visualizations.
- Implemented model training with user-selectable features and targets, automated preprocessing (encoding, splitting), and exportable .pkl models using Random Forest.

Pharmalytics – Sales Prediction System (Final Thesis Project)
GitHub Repo
Built a time series forecasting system using Meta's Prophet model to help a local pharmacy, Firstmed, improve inventory decision-making.

- Achieved MAE scores ranging from 0.33 to 16.44 across top-performing products.
- Developed UI using Streamlit for CSV upload, analytics, and 12-week sales prediction.
- Digitized handwritten sales logs and enabled real-time forecasting for restocking.
- Received 90%+ satisfaction rating from 50+ testers across user groups: pharmacy staff, students, and developers.

Bullet Point Summarizer
GitHub Repo
Designed a text summarization web app using Streamlit that supports extractive, abstractive, and hybrid NLP modes.

- Implemented modular summarization pipeline using Hugging Face Transformers (BART) and custom sentence-ranking algorithms.
- Developed a comparison interface with tooltips to educate users on summarization strategies.

Philippine Flower Classifier – Computer Vision App
GitHub Repo
Built a custom image classification model to identify local flowers, including Sampaguita, Gumamela, Tulip, and Rose, using transfer learning and computer vision.

- Achieved 79.37% classification accuracy after 12 epochs with data augmentation and oversampling.
- Personally created a Sampaguita flower dataset by curating Creative Commons images and applying image augmentation to overcome scarcity.
- Implemented GUI (Tkinter) for uploading images and classifying flower species in real-time.
- Used Python, Keras, Scikit-learn, Imbalanced-learn, and Skimage for model training and preprocessing.