

Darius Ardales

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EDUCATION

De La Salle University

*Bachelor of Science in Computer Science,
Major in Software Technology, Minor in Data Science*

Manila, Philippines

Aug. 2020 – Aug. 2025

EXPERIENCE

AI Writing Evaluator and Trainer

Outlier

Aug 2024 – Present

San Francisco, CA, USA

- Ranked and evaluated AI responses for RLHF models, providing feedback to improve performance
- Applied C1-level English to assess and rewrite prompts, ensuring clarity and relevance
- Researched and fact-checked AI outputs to verify accuracy and enhance data quality

Student Researcher

Dr. Andrew L. Tan Data Science Institute

Jan 2024 – Present

Taguig, NCR, Philippines

- Explored transformer-based models and self-attention mechanisms
- Investigated methods to break memory bottlenecks while maintaining or improving accuracy
- Researched ways to enhance transformer efficiency

PROJECTS

Strategic Enhancement of Sephora's Recommendations

Jul 2024 – Aug 2024

- Developed recommender systems using content-based filtering, SVD, and logistic regression
- Achieved high-accuracy predictions for personalized product suggestions, improving customer experience

Klima Insights

Mar 2024 – Apr 2024

- Implemented an application illustrating the impacts of global warming in the Philippines using Plotly Dash
- Leveraged GeoPandas and Mapbox for interactive geospatial visualizations

Sentimentry

Feb 2024 – Mar 2024

- Built models for emotion classification using TensorFlow, Keras, and scikit-learn
- Utilized HuggingFace transformers and deployed the backend through FastAPI and HuggingFace Spaces

Towards a Memory-Efficient FSL Recognition Model for Low-Resource Devices

Oct 2023 – Dec 2023

- Developed a Filipino Sign Language recognition model using TensorFlow and Keras
- Implemented gesture recognition with OpenCV, MediaPipe, and LSTM

Exploring Trends in Wholesale Goods Prices Per Region as Economic Indicators

Nov 2023 – Dec 2023

- Analyzed wholesale goods prices across regions in the Philippines using NumPy and Pandas
- Conducted trend analysis using scikit-learn to uncover significant patterns

Unveiling Urban Mobility Dynamics: Insights into Patterns and Trends of Divvy

Oct 2023 – Nov 2023

- Analyzed urban mobility patterns and conducted spatial trend analysis using scikit-learn

CERTIFICATES

Python Data Associate

DataCamp

Sep 2024

Expires: Sep 2026

- Developed practical Python skills for effective data management and analysis.
- Proficiently addressed common analytical questions through real-world scenarios.
- Acquired hands-on experience with data manipulation and processing techniques.

CS50's Introduction to Artificial Intelligence with Python

Harvard Online

Jun 2024

- Delved into optimization, constraint satisfaction, and foundational machine learning.
- Explored neural networks, including CNNs, RNNs, and transformers.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL

Databases: Firebase, MongoDB, MySQL, PostgreSQL

Data Science: NumPy, Pandas, Matplotlib, Seaborn, Plotly

Machine Learning: Tensorflow, Keras, scikit-learn, Hugging Face

Web Development: React, Next.js, Express, FastAPI

Developer Tools: GitHub, Git, Jira, Postman, Jupyter, Figma, GCP, Docker