

Ivan Yuri “Lion” P. De Leon

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EDUCATION & CERTIFICATIONS

Ateneo de Manila University

Master in Data Science

Quezon City, Philippines

May 2026

- Graduate Assistant in the Mathematics Department and Environmental Science Department; Academic Scholar (100% Tuition)
- *Coursework:* Deep Learning, Computer Vision, Big Data, Database Programming, Time Series Forecasting, Data Visualization

Ateneo de Manila University

BS in Applied Mathematics (Data Science), Minor in Economics

Quezon City, Philippines

May 2025

- Summa Cum Laude; University Academic Scholar (100% Tuition); DOST Scholar (national government scholarship)
- Mulry Award Recipient: highest distinction for literary excellence and literary service
- Managing Editor for Finance, HEIGHTS Ateneo (official literary publication)
- *Coursework:* Natural Language Processing, Filipino Linguistics, Introduction to AI, Data Mining & Machine Learning, Discrete Mathematics & Statistics, Graph Theory, Operations Research, Business Intelligence, Development Economics

PSI AI Academy

Certificate, AI/LLM Engineering for Software Developers

Online

Feb 2026

- *Coursework:* RAG, Agentic Systems, MCP, Fine-Tuning, Reasoning Models, Guardrailng, Multimodal Models, Deployment

RESEARCH WORK & PROJECTS

Graph-Based Analysis of Customer-Merchant Payment Networks

Master's Capstone

2026

- *Collaborates* with a major national retail bank to analyze their customer-merchant payment networks using graph-based metrics, community detection, and graph neural networks.

Advancing Diacritic Restoration for Tagalog Homographs

Undergraduate Thesis

2025

- Designed and trained custom transformer-based models for Tagalog diacritic restoration to disambiguate homographs using sentence-level classification and masked language modeling.
- Analyzed collocation patterns using association measures to augment underrepresented homograph variants from existing datasets.

Tagalog Diacritic Restoration using LSTM-Based Autoencoders

Project for Deep Learning Course

2025

- Explored character-level Tagalog diacritic restoration using LSTM models and implemented a custom penalty layer to constrain invalid character predictions.

Predicting Banking Service Preference and Financial Behavior of Core Customers

Philippine Junior Data Science Competition (PJDSC)

2024

- Developed models for customer segmentation and product recommendation using RFM analysis, securing top rank (11/60 teams)

EXPERIENCE

Nara Institute of Science and Technology

Research Intern

Nara, Japan

Jan 2026

- Worked under the Human-AI Interaction Laboratory in developing a cultural recognition benchmark for Vision-Language Models

Ayala Corporation

Data Analytics and AI Intern

Makati, Philippines

Apr 2025 - Sept 2025

- Replicated a study on Braess's Paradox, specifically on the use of road closures to improve overall traffic conditions, and evaluated its applicability to Makati City, Philippines.
- Led a cross-functional modeling project on car sales, applying predictive and causal methods to identify key factors driving sales.
- Analyzed chains of user actions from early adopters of a mobility app using Markov chains and Monte Carlo methods to guide feature prioritization and retention strategies.
- Supported data engineering processes, including large-scale querying, preprocessing, and quality control.
- Automated reporting workflows, integrating disparate datasets into a unified system and enabling real-time monitoring of workforce metrics and attrition rate.

Bank of the Philippine Islands

Data Science Intern

Makati, Philippines

Jun 2024 - Aug 2024

- Delivered finance-focused data projects, covering market data scraping, product recommendation systems, customer segmentation for tailored service delivery, and explainable AI for credit risk modeling.
- Finalist (3/20 teams) in an internal case competition, collaborating with senior leaders across different business units.

OTHER DETAILS

- **Data Skills:** NLP, Deep Learning, Network Analysis. Computer Simulation, Visualization, Time Series Analysis, Web Scraping
- **Technical Competencies:** Python (Scikit-learn, PyTorch, HuggingFace), SQL, Java, R, Git, Power BI, Django, Streamlit, Excel
- **NLP & LLM Tools:** LangChain, LangGraph, RAGAS, LangSmith, NLP libraries (spaCy, NLTK, Gensim, Polyglot), AntConc, Lancesbox, GraphColl, Praat
- Completed Whitebox Research's AI Safety Crash Course, covering foundational concepts in AI alignment, agency, and risks.