

Ivan Yuri “Lion” P. De Leon

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EDUCATION & CERTIFICATIONS

Ateneo de Manila University <i>Master in Data Science</i>	Quezon City, Philippines <i>May 2026</i>
<ul style="list-style-type: none">Graduate Assistant in the Mathematics Department and Environmental Science Department; Academic Scholar (100% Tuition)<i>Coursework:</i> Deep Learning, Computer Vision, Big Data, Database Programming, Time Series Forecasting, Data Visualization	
Ateneo de Manila University <i>BS in Applied Mathematics (Data Science), Minor in Economics</i>	Quezon City, Philippines <i>May 2025</i>
<ul style="list-style-type: none">Summa Cum Laude; University Academic Scholar (100% Tuition); DOST Scholar (national government scholarship)Mulry Award Recipient: highest distinction for literary excellence and literary serviceManaging Editor for Finance, HEIGHTS Ateneo (official literary publication)<i>Coursework:</i> 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 <i>Certificate, AI/LLM Engineering for Software Developers</i>	Online <i>Feb 2026</i>
<ul style="list-style-type: none"><i>Coursework:</i> RAG, Agentic Systems, MCP, Fine-Tuning, Reasoning Models, Guardrailing, Multimodal Models, Deployment	

RESEARCH WORK & PROJECTS

Graph-Based Analysis of Customer-Merchant Payment Networks <i>Master's Capstone</i>	2026
<ul style="list-style-type: none"><i>Collaborates</i> 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 <i>Undergraduate Thesis</i>	2025
<ul style="list-style-type: none">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 <i>Project for Deep Learning Course</i>	2025
<ul style="list-style-type: none">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 <i>Philippine Junior Data Science Competition (PJDSC)</i>	2024
<ul style="list-style-type: none">Developed models for customer segmentation and product recommendation using RFM analysis, securing top rank (11/60 teams)	

EXPERIENCE

Nara Institute of Science and Technology <i>Research Intern</i>	Nara, Japan <i>Jan 2026</i>
<ul style="list-style-type: none">Worked under the Human-AI Interaction Laboratory in developing a cultural recognition benchmark for Vision-Language Models	
Ayala Corporation <i>Data Analytics and AI Intern</i>	Makati, Philippines <i>Apr 2025 - Sept 2025</i>
<ul style="list-style-type: none">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 <i>Data Science Intern</i>	Makati, Philippines <i>Jun 2024 - Aug 2024</i>
<ul style="list-style-type: none">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, Lancsbox, GraphColl, Praat
- Completed Whitebox Research’s AI Safety Crash Course, covering foundational concepts in AI alignment, agency, and risks.