

Marc Castro

TECH CONSULTANT | LEAD AI ENGINEER

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EXPERIENCE

Lead AI Engineer | Tech Consultant

Intelligent AI Solutions, a UK-based AI consultancy specializing in custom enterprise solutions across data analytics, process automation, and intelligent systems that drives business efficiency and innovation.

September 2024 to Present

- Led end-to-end development of enterprise LLM solutions, including a media monitoring system analyzing vast article volumes for bias detection, a RAG-enhanced knowledge management system for a global travel agency driving operational efficiency and data-driven decision making, and several digitalization & automation initiatives.
- Spearheaded AI research initiatives and production deployment strategies, focusing on advanced RAG architectures, fine-tuning methodologies, and scalable LLM implementations, resulting in robust agentic chatbot solutions and automated workflow systems across multiple industries.

Senior Data Science Consultant

PSHS - Knowledge Innovation Division is the tech and innovation arm of the Philippine Science High School aimed at developing innovative technological solutions for the premier science high school in the Philippines.

September 2024 to Present

- Spearhead data science initiatives such as student performance management and data-driven curriculum enhancement for targeted interventions and improve overall student academic welfare.

Data Science Instructor & Mentor

CIIT & Eskwelabs, are organizations focused on providing training to a variety of clients such as government organizations, corporate executives, and a mix of professionals from varying backgrounds.

Nov 2023 to Present

- Act as a mentor and as an instructor for different organizations for workshops, bootcamps, hackathons, and trainings focused on AI, No-Code AI, and Data Science.

Global Data Science Manager

TDCX AI, the newly launched artificial intelligence consulting arm of Singapore-based TDCX, focuses on utilizing AI to analyze data, extract insights, and enhance predictive capabilities for customer experience improvements.

Aug 2023 to September 2024

- Developed a Forecasting Model that streamlined Workforce Management tasks by integrating predictive analytics and simulation capabilities within a user-friendly interface.
- Created a dynamic web application leveraging Large Language Models (LLMs) to generate realistic simulation scenarios for agent training. This tool reduced time to proficiency by at least 20% and provided near-real-life customer conversation experiences during onboarding.

Data Scientist

AIA Digital+, is the technology arm of, AIA, the largest public listed life insurance and securities group in Asia-Pacific.

Aug 2022 to August 2023

- Designed and implemented an end-to-end data pipeline for next best action (NBA) campaigns in AIA Indonesia, reducing the required full-time equivalent (FTE) for NBA model development by up to 95%.
- Developed a comprehensive end-to-end Fraud Detection solution aimed at automating claim request approvals, with a projected reduction in processing times of at least 25%, enhancing operational efficiency and customer satisfaction.

Senior Research Associate (Analytics & Visualization)

Philippine Genome Center, the Philippines' premier genomic facility for biological and genomic research.

Sep 2020 to Mar 2021

- Reduced reporting times of genomic analysis of SARS-CoV-19 samples from the Philippines through the development of tools not limited to data pipelines and custom analytical modules.
- Co-authored multiple papers on the emerging variants of SARS-CoV-2 within the Philippines.

Resource Page

EDUCATION

MASTER OF SCIENCE IN DATA SCIENCE (Mar 2021 - Jun 2022)

Asian Institute of Management

Year of Graduation: 2022

BACHELOR OF SCIENCE IN APPLIED PHYSICS (INSTRUMENTATION) (Aug 2015 - Jun 2020)

University of the Philippines - Diliman

Year of Graduation: 2020

NOTABLE ACHIEVEMENTS ★

CO-AUTHORED IN MULTIPLE INTERNATIONAL JOURNALS CONCERNING BIOINFORMATICS AND GENOMIC SURVEILLANCE RESEARCH

- Detection and genome sequencing of SARS-CoV-2 belonging to the B.1.1.7 lineage in the Philippines ([doi: 10.1128/MRA.00219-21](https://doi.org/10.1128/MRA.00219-21))
- Genome sequencing and analysis of an emergent SARS-CoV-2 variant characterized by multiple spike protein mutations detected from the Central Visayas Region of the Philippines ([doi: 10.1101/2021.03.03.21252812](https://doi.org/10.1101/2021.03.03.21252812))
- A directed minimum connected dominating set for protein-protein interaction networks ([isbn: 9780367814656](https://doi.org/10.1002/9781118146566))

RECOGNITION AND AWARDED IN LOCAL AND INTERNATIONAL DATA SCIENCE COMPETITIONS

- **[NATL.] USHER HACKATHON 2022 (3RD PLACE)**
 - Awarded **3rd place** for developing a machine learning pipeline for interpreting early warning signals of building damage.
- **[INTL.] UN BIG DATA HACKATHON 2023 - YOUTH TRACK (2ND PLACE)**
 - Awarded **2nd place against a total of 122 teams** worldwide for creating and presenting a solution and concept paper aimed at addressing UN SDG goals.
 - Also awarded as the **Best Youth Team in the Asian region.**
- **[NATL.] DOH-DAP Hack4Health 2024 (CHAMPION)**
 - Emerged as the **champion during the 3-Day Face to Face Hack4Health Hackathon** against more than 100+ teams from across the Philippines through developing a novel solution that merges the technological capabilities of DOH and DAP with an all-in-one fraud detection platform.
- **[NATL.] ICSC Hack-A-Street 2025 (CHAMPION)**
 - Emerged as the champion during the **2-Day Offline Hack-A-Street Hackathon** against 13 teams of data-savvy individuals across the Philippines through developing an innovative solution to addressing mobility issues through identifying optimal locations of bike racks through the use of a gravity-based model - similar to how retailers identify the best locations for their franchise stores.

Public Engagements

GOVERNMENT

ARTIFICIAL INTELLIGENCE (AI) TECHNOLOGY GOVERNMENT TRAININGS

Department of Information & Communication Technology

ICT Literacy and Competency Development Bureau

August 2025 | November 2025

BANT.AI : REVOLUTIONIZING FRAUD DETECTION WITH UNIFIED HEALTH DATA

Department of Health

20th National Health Research Forum for Action

October 2024

UNIVERSITIES AND COLLEGES

THE ART OF DATA STORYTELLING AND DATA VISUALIZATION

University of Santo Tomas - Department of Computer Science

HORAIZON - Reaching New Heights with AI

March 2023

BREAKING BIAS IN AI

Far Eastern University Institute of Technology

FEU Tech ACM

June 2023

BREAKING INTO TECH CONSULTING WITHIN 5 YEARS

Asian Institute of Management

ICT Literacy and Competency Development Bureau

March 2025

CORPORATE TRAININGS

GENERATIVE AI & LOW CODE FOR CORPORATE TEAMS

Ayala Group

Various Organizations from Ayala Group of Companies

June 2025 - September 2025

N8N : Automation Tools for E-Commerce

Carousell Singapore

Multiple Teams : IT, Marketing, HR

August 2025