



## LAGUNA UNIVERSITY

### Academic Affairs Division

Laguna Sports Complex, Brgy. Bubukal, Santa Cruz, Laguna

Tel. Nos. (049) 576-4359



#### JOMAR MEDINA TALAMBAYAN

Bagumbayan, Santa Cruz, Laguna

talambayanjomar037@gmail.com

0960-849-3874

#### Education

Baccalaureate: Bachelor of Science in Computer Science with specialization:  
Data Science  
Laguna University  
Laguna Sports Complex, Brgy. Bubukal, Sta. Cruz, Laguna  
2021 - 2024 (Undergrad)

Secondary Education: Senior High School  
Accountancy, Business and Management  
With Honors  
Laguna University  
Laguna Sports Complex, Brgy. Bubukal, Sta. Cruz, Laguna  
2019 - 2021

Junior High School  
With Honors  
Liceo de Pila  
San Antonio St, Pila, Laguna  
2015 - 2019

Elementary Education: Bagumbayan Elementary School  
 Bagumbayan, Santa Cruz, Laguna  
 2009 - 2015

### Conference(s), Training(s), Seminar(s) Attended

#### **“How Transformer LLMs Work”**

Deeplearning.AI,  
 Online Course - via DeepLearning.AI,  
 February, 2025

#### **“Introduction to LangGraph”**

LangChain Academy,  
 Online Course - via LangChain,  
 January 11, 2025

#### **“UPM SiLab Webinar Series IOL 101: Fast Healthcare Interoperability Resources (FHIR) 101”**

UP Manila Standards and Interoperability Lab,  
 Webinar - via Zoom Conference,  
 December 04, 2024

#### **“Multi AI Agent Systems with crewAI”**

CrewAI,  
 Online Course - via DeepLearning.AI,  
 November 08, 2024

#### **“Startup 102: Basic Tools and Resources for Tech Entrepreneurs”**

DICT - IIDB Region IV-A,  
 Webinar - via Zoom Conference,  
 September 05, 2024

#### **“Startup 102: Effective Pitch Deck and Delivery”**

DICT - IIDB Region IV-A,  
 Webinar - via Zoom Conference,  
 September 05, 2024

#### **“Startup 102: Introduction to Business Models and Value Proposition”**

DICT - IIDB Region IV-A,  
 Webinar - via Zoom Conference,  
 August 15, 2024

**“Intermediate Python”**

DataCamp,  
Online Course - via DataCamp,  
August 01, 2024

**“Generative AI with Large Language Models”**

DeepLearning.AI,  
Online Course - via Coursera,  
July 25, 2024

**“Supervised Learning with scikit-learn”**

DataCamp,  
Short-online Course - via DataCamp,  
July 21, 2024

**“MLOps for Business”**

DataCamp,  
Short-online Course - via DataCamp,  
July 13, 2024

**“MLOps Concepts”**

DataCamp,  
Short-online Course - via DataCamp,  
July 08, 2024

**“Supervised Machine Learning: Regression and Classification”**

DeepLearning.AI x Stanford University,  
Online Course - via Coursera,  
June 14, 2024

**“CS Training Seminar: “MS Copilot”**

Laguna University Computer Science Organization (LUCSO)  
RLH Building, Audio – Visual Room,  
May 17, 2024

**“CS Training Seminar: “Game Development”**

Laguna University Computer Science Organization (LUCSO)  
RLH Building, Audio–Visual Room,  
May 17, 2024

**“Philippine Junior Data Science Challenge”**

University of the Philippines Los Baños - Data Science Society  
Hackathon x Workshop - via Zoom Conference,  
August 21, 2023

**“Data Analysis with R Programming”**

Google,  
Online Course - via Coursera,  
July 31, 2023

**“Share Data through the Art of Visualization”**

Google,  
Online Course - via Coursera,  
July 19, 2023

**“Analyze Data to Answer Questions”**

Google,  
Online Course - via Coursera,  
July 14, 2023

**“Process Data from Dirty to Clean”**

Google,  
Online Course - via Coursera,  
July 04, 2023

**“Monetizing and Empowering Creativity: Navigating Freelance Opportunities in Digital Content Development”**

Laguna University – College of Computing Studies Summit 4.0  
Caliraya Resorts Club Inc. Lumban, Laguna  
March 23-24, 2023

**“N-Able (N Central) Revolutionize Service Delivery”**

Laguna University – College of Computing Studies Summit 4.0  
Caliraya Resorts Club Inc. Lumban, Laguna  
March 23-24, 2023

**“Virtualization: Harnessing the Power of Virtual Machines”**

Laguna University – College of Computing Studies Summit 4.0  
Caliraya Resorts Club, Lumban, Laguna  
March 23-24, 2023

**“Securing Your Digital Footprint: Understanding Cybersecurity”**

Laguna University – College of Computing Studies Summit 4.0

Caliraya Resorts Club, Lumban, Laguna

March 23-24, 2023

**“Prepare Data for Exploration”**

Google,

Online Course - via Coursera,

January 20, 2023

**“Ask Questions to Make Data-Driven Decisions”**

Google,

Online Course - via Coursera,

January 13, 2023

**“Foundations: Data, Data, Everywhere”**

Google,

Online Course - via Coursera,

January 05, 2023

**Award(s) and Commendation(s)****Digital Digest – The LU CCS Publication**

Layout Artist

2023-2024

**Skill(s)/Talent(s)****Technical Skills:**

- **Programming Languages**

- Experienced with Python, C#, Java, Javascript, and Typescript.
- Familiar with version control tools such as Git and GitHub.

- **Artificial Intelligence and Machine Learning**

- In-depth knowledge of Generative AI, Multi-Agent Systems, Semantic Segmentation, and Machine Learning concepts.
- Hands-on experience in Large Language Models (LLMs) development and integration using frameworks like LangChain, LangGraph, Hugging Face, React, and Transformers.

- Skilled in using advanced techniques like LoRA and QLoRA for fine-tuning, distributed training methods to address resource limitations, and RAG for knowledge-based retrieval.
- **Database Management**
  - Skilled in designing, querying, and maintaining SQL and NoSQL databases.
  - Experienced with vector databases (e.g., ChromaDB) for efficient vector search and data retrieval.
- **Cloud and Development Tools**
  - Skilled in using cloud platforms like Google Colab and Kaggle for developing machine learning models.
  - Familiarity with Modal for managing and deploying multiple AI models.

**Soft Skills:**

- Articulate and confident communicator, skilled at presenting complex technical concepts in an understandable way for diverse audiences.
- Proven ability to work collaboratively in team environments, including leading and coordinating with research, development, and design teams.
- Strong analytical mindset for identifying and resolving technical challenges effectively.
- Demonstrates initiative by actively leading projects, exploring new ideas, and ensuring goals are met efficiently.
- Thrives in dynamic environments, quickly learning new tools, technologies, and concepts to address project requirements.
- Meticulous in ensuring precision and accuracy in data preparation, model development, and software deployment.

**Employment Details**

<b>POSITION</b>	<b>Artificial Intelligence Intern</b>
Department	Research and Development
Company/Institution	Direc Business Technologies Inc.
Inclusive Date/s	February 2025 - April 2025

**Duties and Responsibilities:**

- Planned and built an AI-powered tool that assesses and ranks job applicants' resumes using relevance scoring and keyword matching for ATS optimization.
- Worked on frontend UI enhancements and backend API integrations to ensure seamless functionality of AI modules within existing systems.
- Delivered internal lectures and demos to the R&D team to support AI literacy and drive innovation.

**POSITION****Virtual Administrative Assistant**

Department

Executive Department

Company/Institution

Kombe Kontracting Inc.

Inclusive Date/s

February 2021 - December 2022

**Duties and Responsibilities:**

- Manage the company's social media accounts, act as a first point of contact for clients, create social media graphics, and manage the client's database.
- Collaborate with the Executive and other Development teams

**POSITION****Marketing Assistant**

Department

Marketing Department

Company/Institution

Johnson's Behavioral Health Group

Inclusive Date/s

June 2021 - September 2021

**Duties and Responsibilities:**

- Manage the company's website appearance and perform SEO optimization
- Create website and social media content (videos, and graphics)
- Collaborate with the Executive and Business Development team

I hereby certify that the above information is true and correct.


**JOMAR M. TALAMBAYAN**

PRINTED NAME OVER SIGNATURE

APRIL 30, 2025

DATE