



## **Cara L. Roño**

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**NZ Visa:** Resident with valid working rights

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### **EDUCATION**

**MAPUA UNIVERSITY** (2019 - Aug 2023)

Bachelor of Science in Computer Science, Data Science Specialization **Running Average: 1.88**

*Courses Taken:* Data Warehousing, Computer Network (CISCO), Data Structure and Algorithms, Algorithms and Complexity, Computer Architecture and Organization, Essentials of SAS, It Infrastructure Library Foundation (ITIL)

### **SKILLS**

Python (Pandas, Numpy ), SAP, RapidMiner, PowerBI, Unix commands and OS, SQL, Snowflake Cloud, Excel, HTML and CSS, PHP, Research.

### **WORK EXPERIENCE**

**Intern - Globe Telecom Advanced Analytics Team** (March - June 2023)

- Executed SQL queries on large-scale datasets.
- Utilized the cloud data platform, Snowflake, for running queries.
- Maintained effective communication with my supervisor to understand the team's requirements and deliverables.

**Machine Learning Intern - OpenGenus** (July 2022 - March 2023)

- Tasked to write machine learning articles. Topics include: Hashing function and Neural Networks.
- Remote internship program.
- Read my articles here: <https://bit.ly/3xuu9Ok>

### **ACADEMIC PROJECTS**

**Abnormality Detection in Humerus Radiography using Uncertainty Prediction Autoencoders**

- o A computer vision final year project using an autoencoder neural network.
- o Used uncertainty prediction to improve accuracy of abnormality detection in humerus radiography using autoencoders.

**Motorcycle Helmet Detection and Classification in the Philippines**

- o Coded in python using object detection models: Yolov5, Yolov7, and DeepSORT
- o Classified motorcycle riders and helmet types from video input.

**Big Data Streaming Pipeline and Integration Platform**

- o Developed a streaming data pipeline that flows data continuously from source to destination
- o Created a database using MySQL to store incoming data from a data producer.
- o Implemented using connectors using Cassandra and Kafka, Python, and MySQL.
- o Implemented in a Ubuntu OS using Unix terminal.

### **ONLINE COURSES**

Snowflake Hands On Essentials - Data Warehouse, Data Application, & Data Sharing - (**Online Snowflake platform**)

Introduction to Data Science in Python - (**University of Michigan/ Coursera**)

### **COMPETITIONS**

**1st Runner-up Team Cardinal Dynamics - Globe & AWS Inter-University DeepRacer League 2023**

- o Trained a reinforcement AI model for a self-driving car using Python and the AWS console.
- o Our team of three won 1st runner up out of 20 different teams from different universities in the Philippines.