Larry Miguel R. Cueva

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Skills & Expertise

- Python | JavaScript | Flask | React | Svelte | SQL | Django | PostgreSQL | Git
- Tensorflow | Keras | Scikit-Learn | Numpy | Pandas | Matplotlib | NLTK | Selenium
- Machine Learning | Deep Learning | Data Loading & Preprocessing | Data Analysis & Visualization | Natural Language Processing | Computer Vision | Data Collection | Data Structures & Algorithms | Client & Server-Side Web Dev
- Analytical | Initiative | Empathetic | Collaborative | Generous

Experience

X++ Developer Intern   Creative Dynamix Solutions, Inc.   **Sep 2022 – Oct 2022**

- Developed and queried data reports using X++ that visualized the trend in client Rockwell Land Corporation's sales for them to make more data driven decisions.

AI/ML Subject Matter Expert   Google Developer Student Clubs PUP   **Oct 2023 – Oct 2024**

- mentored and guided GDSC-PUPs AI/ML department as subject matter/domain expert in developing learning roadmap to be used by junior AI/ML cadets.

Full Stack Web Developer   LMC Engineering Front   **Nov 2023 – Present**

- Currently building client-side and server-side architecture of our engineering consultancy business firm

Projects

- **eda-denoiser-stress-detector:** A full fledged AI/ML web app that utilized a hybrid deep learning and machine learning model LSTM-SVM to **denoise (remove artifacts from) electrodermal activity signals** and subsequently **detect points of stressful situations in the signals of an individual** (React.js, Flask, Scikit-Learn, Tensorflow)   **Mar 2024 – Dec 2024**

- **micro-organism-classifier:** A full stack web application that utilizes the use of the InceptionV3 CNN architecture to **classify different micro-organisms** using their respective microscopic images. (React.js, Flask, Tensorflow)   **Jan 2024 – Jan 2024**

- **depressive-sentiment-analyzer:** A full stack web application that **analyzes depressive or non-depressive messages** using the depressive sentiment dataset from Reddit using boosting techniques. (React.js, Flask, Scikit-Learn)   **Jan 2024 – Jan 2024**

- **gen-philo-text:** A generative model that **creates novel sequences of philosophical text based on writings about Jungian psychology, Biblical philosophy**, and the lot. (React.js, Flask, Tensorflow)   **Dec 2023 – Jan 2024**

- **project-alexander:** A portfolio website **compiling all my machine learning and deep learning projects.** (Svelte.js, Flask, Leonardo.AI)   **Oct 2023 – Nov 2023**

- **phil-jurisprudence-recsys:** Second phase of my 1st attempted undergraduate thesis that **implements a recommendation system for Philippine jurisprudence documents to litigation professionals** and experts. (Tensorflow, Numpy, Matplotlib, Pandas, Scikit-Learn)   **Oct 2022 – Jun 2023**

- **LaRJ-Corpus:** The first phase of my 1st attempted undergraduate thesis that **curated an experimental dataset of Labor Related Jurisprudence Corpora of the Philippine Justice System** for legal recommendation systems using OpenAI's GPT-3.5 API. (Selenium, BeautifulSoup, Pandas)   **Oct 2022 – Jun 2023**

- **hate-speech-classifier:** An implementation and comparison of the Softmax Regression and Bidirectional LSTM algorithms that **identified and detected online hate speech & rhetoric** in the internet using the Reddit & Twitter hate speech datasets. (Tensorflow, Numpy, Matplotlib, Pandas, ScikitLearn)   **Jan 2023 – May 2023**

- **breast-cancer-classifier:** Experimented on the **application of the ant colony optimization (ACO) algorithm in feature selection for Breast Cancer diagnosis.** Built and tuned an Artificial Neural Network for this classification problem (Numpy, Pandas, Matplotlib, Tensorflow, Scikit-Learn   **Jan 2023 – May 2023**

- **housing-prices-predictor:** A full implementation of multivariate Linear Regression from scratch to **predict housing prices** using the California Housing dataset. (Numpy, Pandas, Matplotlib, Scikit-Learn)   **Jan 2023 – May 2023**

Education

Bachelor of Science   Polytechnic University of the Philippines

- Major in Computer Science

Achievements & Certifcations

Polytechnic University of the Philippines

- 1st year 2nd semester of Bachelors in Computer Science Program   **Mar 2019**

Stanford Online

- Advanced Learning Algorithms   **Jul 2023 – Aug 2023**
- Supervised Machine Learning: Regression and Classification   **Jan 2023 – Feb 2023**

DeepLearning.AI

- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization   **May 2023 – Jul 2023**
- Neural Networks and Deep Learning   **Feb 2023 – Mar 2023**

The Hong Kong University of Science and Technology

- Python and Statistics for Financial Analysis   **Mar 2023 – Apr 2023**

IBM

- Introduction to Data Analytics   **Jul 2023 – Aug 2023**