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 - Dec 2023**

- Built initial client-side and server-side architecture of our engineering consultancy business firm

Data Engineer Intern — Virtuals Protocol — **Dec 2023 - Dec 2023**

- Cleaned, preprocessed, and ingested data for RAG AI agents.

Customer Support — **Dec 2023 - Jan 2024**

- Addressed ff. technical issues of clients building RAG Agents
  - Automatic HTTP request of agent to X/twitter API endpoints
  - Created guides for clients/builders how to create their own custom functionalities for their respective agent i.e. automatic image generation using OPEN AI API, posting tweets on X using X API, etc.
- Agent interacting automatically with X users allows increase in market capital

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**

Education

Bachelor of Science — Polytechnic University of the Philippines

- Major in Computer Science — **Aug 2019 - Mar 2025**

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**