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

Education

Bachelor of Science   Polytechnic University of the Philippines

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

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 2024 – Dec 2024**

- Cleaned, preprocessed, and ingested data for RAG AI agents.
- Developed and wrote shell scripts that automated data ingestion processes of RAG AI agents
- Led a small team of Data Engineers to automate the process of pulling raw datasets from company page uploaded by users for later data preprocessing and ingestion

Customer Support   **Dec 2024 – Jan 2025**

- Troubleshot automatic HTTP request of agent to X/twitter API endpoints problem cases faced by clients building RAG Agents
- Developed and wrote 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. increasing dynamicity of agent interaction with X users to increase its market capital

Projects

- **auto-job-app-sender:** A multi-modal application that **allows users to generate cover letters, extract LinkedIn connections, extract LinkedIn connections details, and send letters of inquiry en masse** to multiple companies. Used NLP word embedding as a technique to classify recruiters gender based on name. (Selenium, Tensorflow, Pandas)   **Dec 2023 – Jan 2025**

- **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 app that utilizes the use of the InceptionV3 CNN architecture to **classify different micro-organisms.** (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**

Achievements & Certifcations

Polytechnic University of the Philippines

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

Stanford Online

- Supervised Machine Learning: Regression and Classification   **Jan 2023 – Aug 2023**

DeepLearning.AI

- Deep Learning Specialization by Andrew Ng   **Feb 2023 – Jul 2023**