

# Larry Miguel R. Cueva

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## TECHNICAL SKILLS

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**Languages & Tools:** Python | JavaScript | C++ | SQL | PostgreSQL | Git | Linux

**Data Frameworks:** Tensorflow | Keras | Scikit-Learn | Numpy | Pandas | Matplotlib | NLTK | Selenium

**Web Frameworks:** Flask | React | Svelte | Django

**Core Competencies:** Machine Learning | Deep Learning | Data Cleaning & Preprocessing | Data Analysis & Visualization | Natural Language Processing | Data Collection | Data Structures & Algorithms | Client & Server-Side Web Dev

## EXPERIENCE

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### Virtuals Protocol

Dec 2024 - Jan 2025

*Customer Support Engineer, Intern*

- 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 uploaded by users for later data preprocessing and ingestion

*Data Engineer, Intern*

Dec 2024 - Dec 2024

- Troubleshoot automatic HTTP request of agent to X/twitter API endpoints problem cases faced by clients building RAG Agents
- Developed and authored 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.

### Creative Dynamix Solutions, Inc.

Sep 2022 - Oct 2022

*X++ Developer, Intern*

- Developed and queried data reports using X++

## PROJECTS

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**eda-denoiser-stress-detector** | *React.js, Flask, Scikit-Learn, Tensorflow*

- Trained a hybrid deep learning model (LSTM-SVM) to denoise (remove artifacts from) electrodermal activity signals detect points of stress in the signals of an individual
- Developed a web app to using React and Flask to integrate the trained LSTM-SVM to denoise electrodermal signals and detect stress

**project-alexander** | *Svelte.js, Flask, Leonardo.AI, Manim*

- Developed a portfolio website in Svelte and Flask compiling all my machine learning and deep learning projects. Link to portfolio: <https://project-alexander.vercel.app/>

**LaRJ-Corpus** | *Selenium, BeautifulSoup, Pandas*

- 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.
- Scraped additional Labor Related Rules and Regulations from Chan Robles web page using Selenium

**hate-speech-classifier** | *Tensorflow, Numpy, Matplotlib, Pandas, ScikitLearn*

- Implemented Softmax Regression and Bidirectional LSTM algorithms in Tensorflow to detect online hate speech & rhetoric in the internet using the Reddit & Twitter hate speech datasets.

## EDUCATION

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**Polytechnic University of the Philippines**

Aug 2019 - Mar 2025

*Bachelor of Science in Computer Science*

- 2.1 GPA