Larry Miguel R. Cueva

MichaelAveuc571@gmail.com | github.com/08Aristodemus24 | https://project-alexander.vercel.app/ | (+63) 970-745-1021

Skills & Expertise

- Python | SQL | NoSQL | Linux | Docker | Git | Flask | JavaScript | React
- Apache-Airflow | Snowflake | AWS S3 | Apache-Spark | Selenium | Pandas | MongoDB | Tensorflow | Scikit-Learn | Matplotlib
- Data Extraction, Transformation, and Loading | Data Warehousing | Data Pipelines | Containerization | Machine Learning | Data Analysis & Visualization | 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

- **usd-php-ml-pipeline:** A data pipeline that scrapes forex market from the Polygon API on the US dollar to Philippine Peso that is transformed to accommodate signal processing ML tasks and models seamlessly, by engineering features of prices for 1 day intervals of the market. (Airflow, AWS S3, Apache-Spark, Docker) — **Mar 2024 - Dec 2024**
- **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**
- **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**
- **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**
- **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**
- **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**

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**