

Marc Anthony Reyes

Web and Data Analytics Developer

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Technical Skills

Graphic/Motion Graphic Design
Android Application Development
Front-End Website Design
Data Analysis
Data Scraping
Data Visualization
Descriptive Analytics
Machine Learning (Computer Vision and Image Processing)
Cloud Tensor Processing Unit (TPU)
Model Training

Education

Xavier University - Ateneo de Cagayan

Bachelor of Science in Computer Science

Cagayan de Oro, Philippines

June 2015 - March 2019

- Honorable Mention (ranked 4th among the graduating batch)
- UT Global Foundation, Inc Scholar and Academic Scholar
- Exemplar University Research Awardee (with full research grant funding)
- BPI-DOST Science Awards 2019 Awardee (Top 6 for Applied Science Research)

Technology Stack

Java
C
Python
R
Numpy
Pandas
JupyterHub
Scikit-learn
Matplotlib
TensorFlow
Android Studio
HTML5
CSS3
JavaScript
Git
Angular
Django
Metabase
SQL
Firebase
Google Cloud Platform
Amazon Web Services
Cloud Tensor Processing Unit (TPU)
Tableau
Kubernetes
Docker
Adobe Creative Cloud

Experience

Associate Machine Learning Engineer

Mynt (Globe Fintech Innovations, Inc)

July 2019 - present

- Monitor and maintain uptime of the Mynt Data Science and Analytics (MDSA) team's technology stack.
- Optimize MDSA's existing technology stack by finding ways to reduce query times, maximize utilization of resources, and maximize cluster uptime.
- Explore improvements in MDSA workflows by building internal tools and microservices.
- Design and develop Machine Learning algorithms to help improve processes involving Data Science and Analytics.

Volunteer Experiences

Google Developer Group Cagayan de Oro (GDGCDO)
Django Girls CDO
Robogals CDO
AI Pilipinas (TensorFlow and Machine Learning Philippines)
Python Philippines

Data Analyst Intern

Wela School Systems

April - June 2018

- Designed and developed algorithms and data visualizations for descriptive and predictive analytics of student data.
- Developed data-driven prediction models for the strand (e.g. ABM, STEM, HUMSS) recommender and student intervention tools.
- Implemented dashboard interfaces of AI tools that could be readily accessed and embedded on the integrated school management system platform.
- Conducted reports and talked on a conference invitation about the benefits of AI integration in educational tools.

Technical Talks and Workshops Given

Introduction to Python Web Development with Django

PyCon Asia-Pacific 2019

Makati, Philippines

February 2019

Developing Machine Learning Applications with TensorFlow

Mindanao State University - Iligan Institute of Technology

Campus DevCon

Iligan, Philippines

May 2018

Image Inpainting Through a Simple Neural Network with TensorFlow

PyCon Philippines 2018

Makati, Philippines

February 2018

Introduction to Python Web Development with Django

3rd Django Girls CDO Workshop

Cagayan de Oro, Philippines

January 2019

Introduction to Google Cloud Platform (GCP) with Qwiklabs

Google Cloud Platform Next Extended CDO 2018

Cagayan de Oro, Philippines

September 2018

Machine Learning Image Processing with TensorFlow

Google Developer Group Cagayan de Oro DevFest 2017

Cagayan de Oro, Philippines

November 2017

Selected Projects

PalayLab

A mobile application for detecting rice plant diseases and pests

 [marcreyesph/palaylab-mobile](https://github.com/marcreyesph/palaylab-mobile)

November 2018 - March 2019

- Leveraged convolutional neural networks (CNN) to implement the classifier and train the model.
- Developed with Python, TensorFlow, Android, and Google Cloud Platform.
- Partnered with Department of Agriculture-Regional Field Office 10 (DFA-RFO 10), Philippine Rice Institute Database Management Portal (PhilRice DBMP), Opol Municipal Agricultural Office, and Tensorflow Research Cloud (TFRC).

Disease Detect

A web application for detecting common plant leaf diseases

 <https://disease-detect.herokuapp.com/> •  [marcreyesph/disease-detect](https://github.com/marcreyesph/disease-detect)

July 2018

- Leveraged convolutional neural network (CNN) to implement the classifier and train the model.
- Developed with Python, TensorFlow, Django, Heroku, and Google Cloud Platform.

UmaBOT

An AI-powered drone for detecting and monitoring plant health

Lead Developer

November 2017 - May 2018

- Designed and developed algorithms for extracting plant greenness and soil information through gathered images of the drone.
- Developed a mobile application to remotely control flight simulations drone as well as display data analyzed through cloud.
- A Farmer Entrepreneurship Program (FEP) and funded by Jollibee Group Foundation (JGF).
- Developed with Python, TensorFlow, Android, and Google Cloud Platform.