# Marc Anthony B Reyes

## Front-End Web Developer and Data Analyst


Cagayan de Oro, Philippines

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### Software Tools

Java, Python, R, Numpy, Pandas, Jupyter Notebook, Scikit-learn, Matplotlib, TensorFlow, Android Studio, HTML5, CSS3, JavaScript, Google Cloud Platform

### Technical Skills

Cloud Integration, Android Application, Development, Front-End Website Design, UI Prototyping, Data Cleaning, Data Wrangling, Data Visualization, Descriptive Analytics, Machine Learning (Computer Vision)

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# Experience

## Wela School Systems

**AI Developer Intern**

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.

## AI Pilipinas

**Front-End Web Developer (Volunteer/Remote)**

December 2017 - February 2018

- Designed and developed the organization's website for their official launch in December 2017.
- Managed and ensured dynamic interaction of front-end and back-end components of the website, as well as took charged on the site's hosting and server management, by leveraging up-to-date web development frameworks.

## Google Developer Group (GDG) Cagayan de Oro

**Co-Community Organizer and Creative Lead**

June 2016 - present

- Designed event promotional materials such as computer graphics, website graphics, logo, illustration, advertisements, and brochures.
- Organized and spearheaded campus roadshows, annual local developer festivals (DevFests) and extended events such as Google I/O Extended and Google Cloud Next.
- Conducted conference talks on design, technology, Artificial Intelligence (AI), and Machine Learning (ML) specifically focused on applications built on Google Developer products and services.

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# 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 University Nominee

# Talks and Workshops Given

## Django Girls CDO Workshop (Introduction and Installation Party)

**PyCon Asia-Pacific 2019**

Makati, Philippines

February 2019

## Introduction to Web Development with Django

**3rd Django Girls CDO Workshop**

Cagayan de Oro, Philippines

January 2019

## Developing Machine Learning Applications with TensorFlow

**Mindanao State University - Iligan Institute of Technology Campus DevCon**

Iligan, Philippines

May 2018

## Introduction to Google Cloud Platform (GCP) with Qwiklabs

**Google Cloud Platform Next Extended CDO 2018**

Cagayan de Oro, Philippines

September 2018

## Image Inpainting Through a Simple Neural Network with TensorFlow

**PyCon Philippines 2018**

Makati, Philippines

February 2018

## Machine Learning Image Processing with TensorFlow

**Google Developer Group Cagayan de Oro DevFest 2017**

Cagayan de Oro, Philippines

November 2017

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# Selected Projects

## PalayLab

**A mobile application for detecting rice plant diseases and pests**

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

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 greeness 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.