Marc Anthony Reyes

Web and Data Analytics Developer

📍 Cagayan de Oro, Philippines

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Technology Stack

Java, C, Python, R, Numpy, Pandas, JupyterHub, Scikit-learn, Matplotlib, TensorFlow, Android Studio, HTML5, CSS3, JavaScript, Git, Metabase, SQL, Google Cloud Platform, Amazon Web Services, Cloud TPU, Tableau, Kubernetes, Docker, Adobe CC

Technical Skills

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

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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 - March 2019

- 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.

Education

Xavier University - Ateneo de Cagayan

Bachelor of Science in Computer Science, Software Engineering and Data Analytics

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 30 for Applied Science Research)

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

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 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.