

Marc Anthony Reyes

Software Engineer

<https://marcreyes.ph>

TECHNICAL SKILLS

Full Stack Web Application Development, Android Application Development (Native Java), DevOps (CI/CD, Automation and Testing), Machine Learning (Model Development and Production), Cloud Computing, API Development, UI/UX Design

TECHNOLOGY STACK

Java, Python, NodeJS, Android Studio, JupyterHub, Zeppelin, TensorFlow, Google Cloud Platform, Alibaba Cloud, Kubernetes

EXPERIENCE

GCash, Machine Learning Engineer

Full-time • July 2019 - present

- Migrated Data Science team's tech stack and deployments to Kubernetes, a container-orchestration system for automating deployment, scaling, and management, decreasing compute costs by 60%.
- Developed Python libraries for the team to speed up model development and deployment time and to abstract modeling tasks such as data ingestion, feature engineering, and model training. As a result, reduced model development and deployment time by 40%.
- Integrated CI/CD pipelines and automated tests to production deployments eliminating manual testing and faster bug resolution.
- Optimized production source codes through code reviews, reducing computation time and resource utilization.
- Designed and developed Machine Learning models with scalable production pipelines for projects such as in-app recommendation system and facial deduplication.
- Built a job scheduling API for cross-platform model development making cross-platform Machine Learning production jobs easier.

Bai Web and Mobile Labs, Data Analyst Intern

Internship • April - June 2018

- Built dashboards and data visualizations for descriptive and predictive analytics of student data.
 - Designed and developed a Machine Learning model to predict and recommend a strand (e.g. ABM, STEM, HUMSS) from historical student data.
 - Integrated dashboards to a client school's web application making daily and weekly student data summaries accessible.
 - Talked on a conference invitation about the benefits of AI/ML integration in education and how AI/ML can make learning personalized and tailored based on a student's learning preference and readily available student data.
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EDUCATION

Xavier University - Ateneo de Cagayan, BS Computer Science

2015 - 2019

- Graduated Honorable Mention, ranked 4th among the graduating student batch.
- Awarded Best Thesis and won sixth place for Best Applied Science Research during the 2019 BPI-DOST Science Awards for the study, "A Mobile Application Using Convolutional Neural Networks (CNN) for Detecting Rice Plant Diseases and Pests".
- Awarded as finalist with funding for Best Farming Innovation project during the 2018 Jollibee Group Foundation Farmer Entrepreneurship Program for designing an AI-powered drone to monitor crop health.

VOLUNTEER EXPERIENCES

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

TECHNICAL TALKS AND WORKSHOPS GIVEN

Using GCP and Machine Learning in Helping Rice Farmers

GDG Cloud DevFest Manila

Makati, Philippines

December 2019

Introduction to Python Web Development with Django

2019 PyCon Asia-Pacific

Makati, Philippines

February 2019

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

2018 Google Cloud Platform Next

Extended CDO

Cagayan de Oro, Philippines

September 2018

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

2018 PyCon Philippines

Makati, Philippines

February 2018

Machine Learning Image Processing with TensorFlow

2017 Google Developer Group

Cagayan de Oro DevFest

Cagayan de Oro, Philippines

November 2017