LU HTOO KYAW

MACHINE LEARNING ENGINEER

CONTACT INFO

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No-29, Lower Mandalay St, Mingalar Taung Nyunt Tsp, Yangon Region

SKILLS

Machine Learning

Computer Vision I Time Series Analysis I Reinforcement Learning

Data Science

Inferencial Statistics I Bayesian Statistics

Frameworks

PyTorch I TensorFlow I Sklearn I OpenCV I Gym

Programming Languages

Python I JavaScript I PHP I C++

Unix/Linux

CLI I Bash Script

Version Control

Git I Github Actions I DVC

Database

MySQL I MongoDB I SQLite

Web Development

Node JS I Django I Flask I FastAPI

Development Operations

Docker I Kubernetes

LANGUAGES

English

Speaking I Listening I Reading I Writing

REFERENCES

Available upon request.

PROFILE

I am a Machine Learning Engineer, mainly enthusiastic in development especially associated with fields of A.I. Being able to prove willingness to take on any task to support the project team and help the team progress. Offer strong coding skills, vast knowledge of development and confidence to overcome strict deadlines.

EXPERIENCE

INGO

On-site, May 2019 - Fed 2020

PART-TIME OFFICE STAFF

Worked as part-time office staff in INGO Finance Department.

OMDENA

Remote, Apr 2022 - Present

BONDY: MACHINE LEARNING ENGINEER, VOLUNTEER

Main objective was using AI to monitor trees during reforestation process in Andramasina district, Madasgascar along with 30 collaborators from over 20 countries. During modelling process, we used CVAT tool for manual labeling and unsupervised methods for automatic labeling to drone images which were then used in experimenting models such as UNet, UNet++ and DeepLabv3 to segment trees in the area. Inferenced drone images were later combined with OpenDroneMap software to achieve field level estimation of the area. We used Google Earth Engine to obtain Sentinal-2 images and extract NDVI time series for charting purpose. Finally, a dashboard was build with Streamlit to provide our client insights.

DR-CADX: MACHINE LEARNING ENGINEER, VOLUNTEER

The goal of the project was using AI to detect cervical cancer for women with inability to afford pathological tests in Africa. We researched wide range of available datasets of microscope cytological image slides to build classification model corresponding with examining cells. We experimented some backbone architectures such as ResNet, RegNet, InceptionNet and VGGNet to extract feature representations so that they can be used in our custom-built neural architectures.

MYANMA AWBA

On-site, Aug 2022 - Present

GEOSPATIAL MACHINE LEARNING RESEARCHER, INTERNSHIP

My tasks and duties are to perform various GIS and remote sensing operations for obtaining geospatial datasets and to research deep learning models for those datasets.

EDUCATION

SEAMEO

Dec 2017 - Fed 2019

DIPLOMA IN ENGLISH

English courses at Southeast Asian Ministers of Education Organization.

UNIVERSITY OF YANGON

Dec 2014 - Dec 2019

BACHELOR'S DEGREE IN GEOLOGY

I've learnt all basics about geology such as tectonics, petrology, mineralogy, gemology and environmental science, etc throughout semesters.

UNIVERSITY OF INFORMATION TECHNOLOGY

Fed 2019 - Present

DIPLOMA IN COMPUTER SCIENCE

Finding out the real passion is pretty late in my case. That lead me to the computer science and its

infamous sub-branch, Artificial Intelligence.

COURSES

COURSEA

Specialization, July 2020 - Present

- **APPLIED DATA SCIENCE WITH PYTHON**
  Credential ID: H8HDLSL7AMNU
- **PYTHON 3 PROGRAMMING**
  Credential ID: PYDF6Z923PQ8
- **DEEP LEARNING**
  Credential ID: YB5FJEBQPBWC
- **DEEPLEARNING.AI TENSORFLOW DEVELOPER**
  Credential ID: F5ZGQ824QGUQ
- **MACHINE LEARNING ENGINEERING FOR PRODUCTION (MLOPS)**
  Credential ID: 9AGVYPBRNTU3