Developer's Quick Start Guide

Hello and welcome to the DECADES platform!

In this document we provide links to reference documents you can go through to start your experience with developing with DECADES platform.

A good place to start is the Decades Programmer Guide (Introduction.ipynb). Here you can get a brief introduction to avaiable APIs in DECADES and get access to more documentation about them.

We recommend, next, to review these four documents:

- Introduction to Numba and DEC++ Library: (Numba.ipynb) This document will introduce you to programming with Python and Numba compiler as well as the DEC_Numba_Lib library we provide for rapid application development for graph applications.

- Guide for using DECADES kernel execution: (Decades_Numba_Pipeline.ipynb) This document will walk you through how you can write apps that can utilize DECADES hardware and compiler innovations.

- Introduction to executing Neural Net models: (Decades_Tensorflow_Pipeline.ipynb) This document will walk you through how you can utilize the DECADES platform in your Neural Networks models written with Python Tensorflow package.

- Evaluation Guide: (Evaluation_Guide.ipynb) Finally, you can learn about how to evaluate the results of your tests you ran on different hardware and compiler settings through our simulator.