Frontend (website)

DL model by iPython notebook and select a backend to run

```
in [ ]: import tersorflow.keras as keras
import pardes as pd
# Load in our data from CSV files
train df - pd.read csv("data/as) data/sign mnist train.csv")
valid df = pd.read csv["data/as] data/sign mnist valid.csv")
# Separate out our target values
y train = train df['.abel'
y valid = valid df['label']
del train df['label'
del valif df['label']
# Separate out our image vectors
x train = train df.values
x valid - valid df.values
# Turn our scalar targets into binary categories
num classes = 24
y train = keras.utils.to categorically train, num classes)
y valid = keras.utils.to categorically valid, num classes)
# Normalize our image data
x train = x train / 255
x valid = x valid / 255
```



Server at SIUC



Server at Missouri S&T



Backends



A40 GPU



V100S GPU



The Foundry Cluster