

# YOUDIOWEI ETEIMORDE

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## EXPERIENCE

### STEM TUTOR

Port Harcourt, Nigeria | May 2018 – Jan 2020

- Tutored Secondary School Students (High School Students) on the basics of web development, key topics on HTML, JavaScript CSS were covered in the Course.
- Hosted an Introductory Programming Class for University Students on Python programming.
- Introduced several students to robotics/embedded systems through the Arduino Platform.

### MACHINE LEARNING COMPETITIONS

| Dec 2020 - Present

- Participated in Kaggle's Cassava Leaf Disease Classification **Competition**.
- Participated in **UmojaHack** Africa 2021 Hackathon where I developed a machine learning model to predict Delivery Riders Response to clients.
- Currently Participating in the SETI Breakthrough Listen **Competition** where we're training a machine learning model to detect extraterrestrial signals

### OPENSOURCE CONTRIBUTOR

GitHub | Jan 2021 – Present

- I added the TensorFlow template code to the **TrainGenerator** opensource project.
- I'm a contributor to the **ML5** project, where we seek to make machine learning accessible to everyone.

## PROJECTS

### STREAMLIT SPAM DETECTOR

PYTHON, STREAMLIT, SCKIT-LEARN

Trained a Machine Learning Model to detect if a message is Spam or Not Spam.  
Built a UI with Streamlit hosted it on Heroku.

### MNIST REST API

TENSORFLOW, FLASK, KERAS, API

Built a REST API with Tensorflow flask that can predict digits.

- Hosted on heroku.
- Accepts image of digit as post request.
- sends prediction as response.

### DEEP LEARNING NOTEBOOKS

PYTORCH, TENSORFLOW, DEEP LEARNING, JUPYTER

I have a series of Notebooks that demonstrates the core deep learning concepts,  
written in both Pytorch and Tensorflow.

- Implemented a feed forward neural network in pytorch.
- Trained a ConvNet on the CIFAR10 dataset.
- Used Transfer Learning to classify image as Cat or Dog.

### GRAPHTOSS

TKINTER, MATPLOTLIB

A Simple Graphical Coin simulator built with tkinter.

### WEB SCRAPING

BEAUTIFULSOUP, PANDAS, WEBSRAPING

Practiced web scraping On the sandbox site **scrapethissite.com**

- Used BeautifulSoup to scrape site.
- Scraped Wikipedia tables with pandas.
- Scraped AJAX website.

## SKILLS

**Languages:** Python, Java, C/C++, JavaScript, HTML/CSS  
**Technology:** Git, AWS, GCP, Linux, L<sup>A</sup>T<sub>E</sub>X

**Libraries:** TensorFlow, Pandas, Numpy, Django  
**Databases:** SQL (PostGres), MongoDB, ORM