CHELSEA OBIAKOR

Computer Vision Enginner, Virtual Reality Developer, Blogger, Front End Developer

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#readytowork

WORK EXPERIENCE

Blogger

ChannelAI, ChelOverboard - Lagos
May 2020 to Present

I see blogging as a hobby, activity and work experience for me. I have two websites I write articles on, both developed by me. One is dedicated to Deep learning and Computer Vision and the other for Virtual Reality (Entertainment and Development side). I blog about these two topics because that is where most of my time is invested into during Learning and research for projects. My websites are still picking up in terms of traffic and experience.

I started blogging a few months back and am still learning to improve my skills everyday. I want to be a part-time content creator and guest-blog for companies in my niche and knowledge area as I see writing as a major part of my interests.

The main objective for my websites is to teach folks concepts in a simple way and to project my future development works in Computer Vision and Virtual Reality

Computer Vision Engineer, Projects Researcher

ChannelAI - Remote
March 2020 to Present

In Computer Vision, I started off by learning through Coursera Courses with hands-on practice. I had a lot of practise building simple CV models using Tensorflow Documentations and tutorials. Till now, I have built a simple web app that uses an Image Classification Model to classify Images on Upload. I worked on this project specifically to experience the process of Model deployment and the requirements. For this project, I used Digital Ocean for Hosting, but I was able to learn other methods of deployment such as TFX, Flask and GCP AI Toolkit.

At this time, I improve my skills in CV by researching and completing projects on kaggle. Most of my achievements are detailed on my blog as tutorials for others.

My goal for CV is to discover and implement the real-world applications. My near-future goal is to develop an application or API in Computer Vision (Working in the area of Synthesis and Translation). In the field of ArtificiaL Intelligence, my main areas of interest are Virtual Reality and Computer Vision.

Front End Developer, Programming Tutor

ChelOverboard - Lagos
February 2020 to Present

I learnt Front-end development with the purpose of creating a website for myself and to have a few programming skills. I consider myself very proficient in building websites because I've had a lot of practice till now. I'm very comfortable in using the three main languages of the web; HTML, CSS and Javascript.

Some of the platforms I have experience with Web/Application Dev is Wordpress, Jekyll, Github Pages, Webflow, Bubble.io. My websites are built with Jekyll and hosted by Netlify.

With my skills, I've acted as a tutor and have tutored a couple of local folks Website Development. I know Python programming language but have not worked with it on a deep level except for Data extraction and Cleaning during my CV projects.

EDUCATION

Senior Secondary in Science

Tess College - Ikeja

August 2012 to July 2018

SKILLS

- **Python 3**
- **Javascript**
- **GitHub (1 year)**
- **Machine Learning (Less than 1 year)**
- **Web Development (1 year)**
- **Google Cloud Platform (Less than 1 year)**
- **TensorFlow (Less than 1 year)**
- **Bootstrap**
- **HTML5**
- **CSS**
- **Unity 3D (1 year)**
- **Google Spreadsheets (Less than 1 year)**

LINKS

https://channelai.netlify.app

https://cheloverboard.netlify.app

https://www.linkedin.com/in/chelsea-koby-7a4889198/

CERTIFICATIONS AND LICENSES

Website Developer

October 2019 to Present

I completed the courses for Html 5 and CSS on two recognised app tutor platforms (Sololearn and programming hub) and received a certificate from both platforms after a number of tasks and projects. I have also taken a few courses from LinkedIn Learning, Coursera and Codecademy on web development. I have experience building websites and improving search results rankings because I have been doing it for my websites. I have built two websites that I manage till date.

Programming Language

August 2019 to Present

I completed several courses on Python programming language on various recognised online lecture platforms such as: Coursera, Sololearn, Programming Hub. I have had experience with three programming languages. Python, Javascript and C# Including HTML & CSS.

• I use Python for Machine Learning Projects on Tensorflow for Data extraction, and workflows to prepare data before building Deep Learning Models.

• I use Javascript to manage interactivity on my websites.

• I use C# in Unity for writing programs for building elements and controls in applications. I used c# minimally and for a short while during the times when I tried building some games. I later focused solely on ML and CV but I recently picked up on VR using resources online and unity learn. C# is now an integral part of my skills for VR development process.

Among all Languages , I've had the most experience with Html and Css but seem to like python best because of its ease-of-use.

Machine Learning

April 2020 to Present

I have a certificate on Machine Learning from Stanford University Machine Learning Course taught by Professor Andrew Ng on Coursera. I have a very good understanding of popular Machine Learning Algorithms, and how to perform error analysis and debugging processes to build Machine Learning systems that can make accurate predictions.

I understand ML techniques for supervised and unsupervised learning, optimizers, regularization, loss functions and understanding model performance. These I apply when needed in building DL models on Tensorflow.

Tensorflow in Practice

June 2020 to Present

I completed Tensorflow for Artificial Intelligence, Machine Learning and Deep learning of the Tensorflow In Practice specialization by Deeplearning.ai taught by Lawrence Mororney. It gave me the basic understanding of Tensorflow and Convolutional Neural Networks.

I worked with several Tensorflow libraries and techniques to solve different tasks. A few of them include ; callbacks, Image generator, augmentations, tfds. After the course, I worked on an Image classification project using a cifar100 dataset with a mate.

I'm currently taking the Course 2 in the specialization, "Convolutional Neural Networks in Tensorflow". Here, we are

introduced to handling large datasets for model building, we also make use of python for data preparation like sorting into train and validation folders.

The experience I have through my period of working with Tensorflow are:

• Building an image Classifier with both Cifar 10 & Cifar 100 datasets
• Tuning Model to improve accuracy using regularization techniques like Dropouts and Batch normalization
• Understanding the different ways to push models built to production level, a few I considered were Tensorflow Serving Api, GCP ML kit, GCP Cloud Storage, Hosting on Digital Ocean with Flask and Python for back-end. These are the options available to me when I build a production level model.
• Learning Object Detection
• Using Transfer Learning and RCNN pre-built Model to build an Object Detection model that classifies and localizes Kangaroo in images.

I love Tensorflow because of its simplicity and adequate documentation available for beginners. I want to build production-level Computer Vision Projects with it.

ASSESSMENTS

Attention to Detail — Highly Proficient

July 2020

Identifying differences in materials, following instructions, and detecting details among distracting information.
Full results: [Highly Proficient](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.

ADDITIONAL INFORMATION

I have a very good understanding and can implement all the skills listed above as I have had practice with them all in tutorials or personal projects I undertake.