BONFACE MARTIN OYWA

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CAREER OBJECTIVE

I am interested in research involving Deep Learning and its applications in Computer Vision and Natural Language Processing.

EDUCATION

Laikipia University (Sep 2017 – Present)
- Expected graduation date Dec 2021
- Bachelor of Science in Computer Science

Udacity (Apr 2019 – Jan 2020)
- Awarded Udacity Scholarship 2019-2020 by Facebook AI
- Deep Learning Nanodegree

TECHNICAL SKILLS

Languages
- Proficiency in: Python
- Experience in: Java, TypeScript

Software & Technology
- Platforms: Windows, Linux, Git, GitHub, GitLab, MongoDB
- Libraries: PyTorch, Flask, SciPy Stack
- Office Tools: Microsoft Office, Libre Office

EXPERIENCE

Developer Student Clubs Lead Laikipia University (Aug 2020 – Present)
Nyahururu, KE

- Student lead and mentor.
- Been able to build a fully functional core team to help with managing the club.
- Virtually recruited almost 25 new members into the club.

Summer Analyst at Goldman Sachs (Jul 2020 – Aug 2020)
London, GB (Virtual)

- Software Engineer Intern at the Consume and Investment Management Division, London office.

- Successfully implemented a fully functional GitLab projects release manager using TypeScript and Node.
- Learned TypeScript, Yarn and Node.
- Gained experience in working with a team and presenting weekly tasks in sprints.

Student Ambassador at AWS Educate Laikipia University (Apr 2020 – Present)
Nyahururu, KE

- Student ambassador and mentor.
- Been able to introduce a new club to our school with the aim of helping students learn how to use the AWS Educate Platform.
- Gained event hosting skills by holding virtual events.

Machine Learning Technical Lead at Developer Student Clubs
Laikipia University (Sep 2019 – Apr 2020)
Nyahururu, KE

- Participated as part of DSC's Laikipia 2019-2020 core team. My role was to facilitate machine learning meetups during that period.
- Improved interest rates from having only 2 students attending per week to 10 every meetup throughout two months.

Chairperson for Laikipia University Computer Students
Association (LUCOSA) (Sep 2019 – Sep 2020)
Nyahururu, KE

- Provided education and mentor-ship to student who are interested in broader field of computing, through organizing events like talks and hackathons, and also regular meetups.
- Invited key tech leaders in the Cyber Security space in Kenya like Swift Intellect Group, Cyber Space Kenya, Safaricom and Strathmore University.

PROJECTS
Numbers Tutor
- Web application for teaching reading and writing numbers to children.
- Project is still in its initial stages of inception. Approximate timeline is 5 months.
- Tech stack include Python, Flask, PyTorch for the back-end, and HTML, CSS, and JavaScript for front-end.
- We are a team of three people and I work solely on the back-end.

Creative GAN
- Team project that utilizes the DCGAN architecture from Facebook AI to generate images of concept car designs. Application areas include the creative industry.

- My role in the project is back-end engineer, and I also work on building and training the generative models used in the project.
- https://github.com/martinoywa/creative-gan

Face Dataset Maker
- Python program that uses OpenCV to capture face images for datasets that can be used for facial detection and recognition models.
- https://github.com/martinoywa/face-dataset-maker

Predict Label Mobile Application
- Android application that runs a PyTorch model trained on ImageNet to predict the label of an image fed into it.
- https://github.com/martinoywa/predict-label

Digit Recognizer Web Application
- Flask web application for deploying a digit classifier model to Heroku built using PyTorch.
- https://digit-class.herokuapp.com

CERTIFICATES
Deep Learning Nanodegree
- https://confirm.udacity.com/NNPNFP7R

End-to-End Machine Learning with TensorFlow on GCP
- http://coursera.org/verify/6MQSH2VTJBAL

MongoDB Basics
- https://drive.google.com/open?id=118o0J9rQRkdZ8JuVm6Xw_-QeDBINme0M

Android Developer Beginner Bundle
- https://drive.google.com/open?id=1ej8FozOPLFAOYPRTrUPyOl4kIunjz_ZO

SERVICE

Volunteer for PyConKE 2017	Oct 2017
Volunteer for IndabaX 2019 Teens In AI Hackathon	Aug 2019
Volunteer for DevFest 2019 Nairobi	Oct 2019
Volunteer Judge for TryAI Event 2020 at AAAI	Feb 2020
Volunteer Mentor Google Africa Developer Scholarship	Jun 2020 –

Sep 2020