

Felix Hirwa Nshuti

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SUMMARY

Passionate Computer engineer with a strong background in Deep learning, computer vision, and natural language processing. Skilled in Python, Jax, PyTorch, ivy, and various ML libraries. Excellent open source contribution and community interaction and currently into early research career. My interests lie most in Operating Systems, Systems Programming, Programming Languages and Compilers and Machine Learning. Seeking challenging role to develop optimal and cutting edge technologies.

SKILLS

Programming Languages: Python, C/C++, ARM Assembly, SQL, Java

Deep Learning Frameworks: PyTorch, Jax, TensorFlow, Paddle, Ivy

Libraries & Tools: NumPy, Pandas, Scikit-learn, OpenCV, NLTK, Git/GitHub, Docker

Natural Languages: English (fluent), Kinyarwanda (Proficient)

EXPERIENCE

Open Source Contributor

Sktime

May 2024 – Current

Remote, Remote

- Contributed to sktime a unified ML library for Time Series(Under Gsoc)
- Scaled Deep Learning backends with sktime, mostly worked with Darts and PyTorch
- Presented findings at weekly mentorship meetings

Machine Learning Engineer

Unify

June 2023 – October 2023

London, United Kingdom

- Maintained and developed the Ivy(A unified Deep Learning framework).
- Lead on the conformity of the Array API standard with Ivy.
- Lead and Maintained the Numpy Frontend of Ivy.
- Community engagement and providing mentorship to contributors.

Machine Learning Engineer Intern

Unify

September 2022 – June 2023

London, United Kingdom

- Maintained and developed the Ivy(A unified Deep Learning framework).
- Researched and worked on adding features to Ivy.
- Presented my research findings at weekly meetups with my supervisor.
- Community engagement through a reading group.

Volunteering Developer

Unify

July 2022 – September 2022

London, United Kingdom

- Contributed to Ivy development.

Apprentice Software Developer

Rohde & Schwarz

April 2021 – May 2021

Kigali, Rwanda

- Developed Cybersecurity test software by using some automation libraries of Python like Selenium.
- Helped the team in following agile methodologies to deliver quality software over time.
- Presented the final product to the customer and delivered the product to production.

VOLUNTEERING

Mentor

DeepLearning.AI

August 2021 – April 2023

California, United States

- Assisted Learners taking the TensorFlow Developer Professional Certificate on Coursera.

Mentor

AI Planet

September 2021 – October 2021

Remote, Remote

- Facilitated learners who were taking the Data Science Mini Bootcamp Series from AI Planet(formely DPhi).
- Created learning assignments for the Python course.
- Helped the team to give feedback to learners.

Co-Mentor

Google Summer of code

April 2023 – August 2023

Remote, Remote

- Co-assisted the mentorship of 2023 GSOC contributors working on ivy (<https://github.com/ivy-llc/ivy>).

EDUCATION

Pandit Deendayal Energy University

Bachelor of Technology in Computer Engineering

Gujarat, India

October 2021 – June 2025

Integrated Polytechnic Regional College Kigali

Dropout: Advanced Diploma in Biomedical Equipments Technology

Kigali, Rwanda

October 2018 – January 2021