Nelson Bassey

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EDUCATION

African Leadership University (ALU), Rwanda
B.Sc Computer Science; **Graduating** 2021

Relevant Courses
Programming I & II, Data Structures & Algorithms, Discrete Mathematics, Database Systems, Web Development

WORK EXPERIENCE

Software Engineering Intern at Hexakomb, Rwanda, February 2019 - Present
- Creating a mobile app for participants of the Transform Africa Conference to
    - Add sessions to calendar
    - See live sessions
    - Connect and chat with other participants. (Flutter)

Full Stack Developer at MadeinKigali, Rwanda, October 2018 - January 2019
- Designed and developed an e-commerce storefront. (ReactJs)
- Created REST APIs with PHP, which communicated with ReactJs, by sending and receiving JSON data.
- Created an ER diagram, database schema and use case diagrams for the application.
- Designed and normalized the database for easy implementation of query.
  github repo: https://github.com/nellybaz/madeinKigali

Web Developer at University of Kigali, Rwanda, October 2018 - December 2018
- Redesigned the website of the university which increased average session time of users. (Wordpress, CSS)
  link: https://uok.ac.rw/

Software Developer Intern at Trust Industries Ltd, Rwanda, May 2018 - August 2018
- Developed a sales record mobile app which doubled the speed of recording daily sales, and made the analysis of data real-time. (ReactNative)
  github repo: https://github.com/nellybaz/Trust-Industries

PROJECTS & ACTIVITIES

Mozilla - Common Voice Hackathon
Implemented a mobile app to collect voice data in Kinyarwanda language for the training of Mozilla's common voice models. (Flutter); Won 2nd Prize out of 44 competing teams

Chroma Key App
Created a Python program that composites two images by detecting the green background of one image and replacing it with selected elements of the other image.

Disease Modelling Tool
Developed a Python program that models and detects epidemic diseases and displays graphical statistics in real time, given population size, the disease attributes and initial population health status.

TECHNICAL SKILLS

Programming Languages - Python, Java, JavaScript, PHP, Dart, SQL, HTML/CSS
Frameworks - ReactNative/ReactJs, Flutter
Other Tools - Figma, Git