

Desire BIKORIMANA

Nyarugenge, Kigali, Rwanda

Email: bikorimanadesire@yahoo.com

Phone: +250780784924

12 July 2024

Hiring Manager

Akagera National Park

Dear Hiring Manager,

I am writing to express my strong interest in the opportunity to participate in the upcoming workshop at Akagera National Park, focusing on the application of eDNA as a conservation tool using the MENA framework. With a Bachelor's degree in Biology (zoology and conservation) from the University of Rwanda and a background in full-stack software engineering from ALX, I am confident in my abilities to contribute effectively to the objectives of the workshop and the MENA project.

During my time at the University of Rwanda, I acquired a solid foundation in conservation, genetics, and ecological studies, which has equipped me with a comprehensive understanding of conservation genetics principles. My experience in full-stack software engineering has provided me with the technical skills needed to effectively engage with web-based applications, an invaluable asset for developing tools to analyze genetic diversity and population genetics of endangered species.

My ongoing project, "Genomics for Conservation Genetics," exhibits my dedication to leveraging genomic data for conservation purposes, aligning closely with the goals of the workshop and the MENA project. The opportunity to receive training in study design and the applications of eDNA, coupled with field sampling and bioinformatic interpretation of results, strongly resonates with my professional aspirations.

I am particularly drawn to the prospect of contributing to the monitoring scheme to evaluate ecosystem connectedness and the application of eDNA methods at a regional and continental scale, subjects that are directly relevant to my academic and professional background.

I am fully committed to participating in all aspects of the workshop, including the training sessions, field sampling, and post-field analytical discussions. I am confident that my academic background, technical skills, and enthusiasm for learning make me a suitable candidate for the workshop. I am eager to bring my unique perspective and contribute meaningfully to the success of the project.

I appreciate your consideration of my application and am looking forward to the opportunity to contribute to the important work being undertaken at Akagera National Park.

Thank you for your time and consideration.



Sincerely,



Desire BIKORIMANA



CONTACT

+250780784924
bikorimanadesire@yahoo.com
 <https://github.com/Desire-2>
 Kn 19 Ave, Kigali

EDUCATION

UNIVERSITY OF RWANDA 2021 - 2024
Bachelor of Science in Biology (Zoology and Conservation)
G.S APAPEDUC BUNGWE 2017 - 2019
A2 in Mathematics, Chemistry and Biology
KIGALI FILMS AD TELEVISION SCHOOL
Film making and Tv Production
2022 - 2023
ALX 2023 - 2024
Certificate in Full Stack Software Engineering

SKILLS

- Technical:** Full-Stack Development, C, C#, HTML, CSS, JavaScript, Python, SQL, Data Analysis (R, SPSS, STATA), Git, GIS
- Research:** Wildlife Conservation, Ecological Data Collection, Research Methodologies
- Leadership:** Team Coordination, Project Management, Event Planning
- Communication:** Public Speaking, Report Writing, Presentation Skills
- Microsoft Tools:** Ms Word, Excel, Power point

LANGUAGES

- English (Fluent)
- Kinyarwanda(Native)
- Spanish (Basic)

DESIRE BIKORIMANA

BIOLOGY CONSERVATIONIST & SOFTWARE ENGINEER PROFILE

Dynamic and results-oriented professional with a strong background in biology, zoology, and conservation, complemented by expertise in full-stack software engineering. Founder and coordinator of the Biodiversity Nexus Student Association and Biodiversity Nexus Forum, with extensive experience in software development, data collection, and research. Adept at leading teams and managing projects, with a proven track record of volunteering and contributing to community welfare.

WORK EXPERIENCE

- Appen Ltd** 06/2023 - PRESENT
Data Collector
 - Collect and analyzed data for various projects.
 - Ensure accuracy and integrity of data collected.
 - Collaborate with team members to meet project deadlines.
- Nature Rwanda** 04/2023 - 06/2024
Intern
 - Assisted in various conservation projects and research.
 - Conducted fieldwork and collected ecological data.
 - Prepared reports and presentations on research findings.
- COVID-19 Response**
Volunteer Team Leader
 - Led a team of volunteers in community outreach and support activities.
 - Coordinated distribution of supplies and information dissemination.
 - Assisted in the implementation of safety measures and protocols.

Projects and Initiatives

- Founder and Coordinator**
Biodiversity Nexus Student Association and Biodiversity Nexus Forum
 - Established and led student associations focused on biodiversity and conservation.
 - Organized events, workshops, and seminars to promote awareness and education.
 - Facilitated collaboration between students, researchers, and conservationists.
- Software Development Projects**
 - Developed various personal and academic projects using full-stack technologies.
 - Implemented web and mobile applications to solve real-world problems.
 - Collaborated with peers to enhance project outcomes and user experience.
- Karisoke Research Centre**
Training
 - Participated in specialized training programs focused on wildlife research and conservation techniques.
 - Gained hands-on experience in field research and data collection methods.

REFERENCE

Dr. Myriam MUJAWAMARIYA Lecturer/ University of Rwanda Phone: +250788422497 Email: mmujawamariya@gmail.com	Jean de dieu Uwizerimana Lecturer/ University of Rwanda Phone: +250788407796 Email: mmujawamariya@gmail.com
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