

Boaz MWUBAHIMANA

| **Date of Birth:** January 01, 1993

| **Marital Status:** Single

| **Nationality:** Rwandan

| **Gender:** Male

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| **My Portfolio Website:** <http://boazm.netlify.app>

EDUCATION BACKGROUND

- BSc degree in Urban and Regional Planning at University of Rwanda, Nyarugenge Campus, college of science and technology. Defended BSc Thesis entitled “**Impacts of Land Use and Land Cover Dynamics on Land surface temperature in Rapidly Urbanizing Cities, Kigali Rwanda**” with 80% scores and won first position among 130 final research projects. Graduation Expected July 2021 as confirmed by University of Rwanda council.
- Advanced high school Certificate in Mathematics, Physics and Geography (MPG) completed in 2016 with (55/73) scores at CNDC Ntarabana, Muhanga district.
- Certificate of Ordinary level completion with 22 scores at Nyagatare secondary school (NSS), Nyagatare sector in Nyagatare district in 2013.
- Certificate of Primary School Completion with (5/5) points in 2010 at Mirama Primary school, Nyagatare sector in Nyagatare district.

I. ACADEMIC AND INTERNSHIP PROJECT

- **01st of July: Reachability Analysis of planning and implementation strategies of city’s public green open spaces system, A case of Kigali city.** Supporting Master’s student at **Beijing Forestry University**

In Professional Degree Graduate Thesis

This project includes long workflows analysis; I am using Model Builders for Machine Learning in ArcMap to fasten and save both time and money.

- **3th of June: International Research Poster competition entitled “Remote Sensing and Spatial temporal Mapping of Urban growth in the city of Kigali, Case study Kicukiro district”.** This was Global poster competition prepared by University of California Santa Barbara with International Association of young Geographers. The data and their

analysis was Satellite Images from United States Geological Survey to analyse land cover changes in Kicukiro District. More Info:

- **2st of April 2021:** Certificate of Acceptance of Research paper entitled “**Physical Accessibility Analysis to Health care services in Rwanda, case study Musanze district** to be published in International Journal of Scientific & Engineering Research (IJSER).
- **18th of March 2020-2021:** Impacts of Land Use and Land Cover Dynamics on Land Surface Temperature in a rapidly Urbanizing Cities, Kigali Rwanda. Defended BSc thesis at University of Rwanda, College of science and technology.
- **29th of December 2020-2021:** Kamagiri Physical plan done at Rwanda Housing Authority (RHA), development of different land use categories of Kamagiri Site, in Nyagatare district/Eastern Province.
 - Rukumberi Sector Master Plan, Development of zoning. June-2020,

II. AWARD AND ARCHIEVEMENTS

1. **Certificate of Appreciation of Completion of Udemy course entitled “2021 Complete Python Bootcamp From Zero to Hero in Python Bootcamp from Zero to Hero** online course on June 11, 2021. Link:
2. Certificate of **Acceptance of Research paper** entitled “Physical Accessibility Analysis to Health care services in Rwanda, case study Musanze district to be published in **International Journal of Scientific & Engineering Research (IJSER)**, issued at 2 of April 2021.
3. **Certificate of English for Career Development** issued on 20th, August 2020 by University of Pennsylvania. Link:
4. Certificate of appreciation **awarded for Outstanding Student Contributions To The 2020 Mapping Horizons GIS Competition in East/Southern Africa**. My **project** was selected as **Distinguished Finalist with 92 scores**, issued on 09th of February 2021 by IAYG.
5. **Planning for Climate Change in African Cities**, Issued on Jan 5, 2021 by an online noncredit course authorized by United Cities and Local Governments of Africa, African Local Government Academy, Erasmus University Rotterdam and Institute for Housing and Urban Development and offered through Coursera.
6. Introduction to GIS Mapping Issued on Dec 23, 2020 by University of Toronto
7. Building the Foundation for Green Infrastructure Planning_Certificate_09092020 issue on September 9, 2020 by ESRI-GIS provider.
8. Python for everyone issued on Sept 10, 2020 by Esri, GIS Provider Company.
9. Certificate of JavaScript Fundamentals Course issued on 20th, August 2020 by Sololearn.
10. Award Certificate of completion of CSS fundamentals Courses issued on 30th, July 2020 by Sololearn.

11. Award certificate completion of HTML Fundamentals Course issued on 29th, July 2020 by Sololearn.
12. Certificate of Completion on Digital Image Processing with OpenCV in Python issued on 13th, January 2020 by Geo University.
13. Certificate of Completion on Introduction to Cloudeo's Geospatial Solutions issued on 13th, January 2020 by Geo University.
14. Certificate of Completion on EOS platform issued on 13th, January 2020 by Geo University.
15. Certificate of Completion on Hyperspectral Thermal Image Unmixing issued on 13th, January 2020 by Geo University.
16. Award a Certificate of Appreciation as head of Fellowship Committee with in organization of more than 200 people, just following up of their presence and their daily wellbeing. (2019-2020-current).
17. Award a Certificate of Completion in Itorero and Urugerero programs By National Itorero Council. (2017).
18. Award a certificate of Baptism in Seventh day Adventist Church, Rwanda Union (2018).

III. **LEADERSHIP AND EXPERIENCE**

- Head of Trainer and Production management at Umukenke global company at University of Rwanda (UGC 2020).
 - Providing GIS and remote sensing skills to fellow student who are doing their final research projects and outside clients.
- Head of Trainer and Production in Geography Student Association of Rwanda (GEOSAR-2017-2018-2019).
 - Mentoring and giving GIS skills to association members.
- Head of Fellowship Department in Choir in Adventist students association at University of Rwanda, College of Science and Technology (May 2019-current).
 - I was responsible of following up more than 200 choir members' wellbeing and relationship as whole.
- Member of Toastmasters International (Ijwi Toastmasters) at University of Rwanda, College of Science and Technology (2017-2018-2019-2020).
 - We do routine public speaking sessions, leadership and communication skills.
- Assistant Executive Committee in GEOSAR (Geography Student association of Rwanda 2017-2018).
 - Consulting the head committee in daily activities.

- Head of Dining Prefect in my high school at College Notre Dame Consolatrice De Ntarabana (2014-2015-2016). I was in charging of managing meals to students and dining hygiene.
- Assistant Head of Adventist at a high School Local Church (2015-2016, High School).
- Preparing Sabbath school activities and public relationship of the church and other religious churches in a high school.



Professional EXPERIENCES

1. **Current: GIS teaching courses**, I am currently providing Geographical Information Systems courses to three lecturers in Master's of Geoinformation science at University of Rwanda, College of science and technology in Mining department. This is per time job that I am recently doing.
2. 02th of June 2021: I have attended **International Research Poster competition prepared by University of California, Santa Barbara's Center for Spatial Studies and International Association of Young Geographers (IAYG) after winning from East/South Africa competition as outstanding students**. I have presented project called **"Remote Sensing and Spatial Temporal mapping of urban growth in Kigali, Rwanda: Kicukiro district**.
- 3.
4. From 2018-2019-2020, I supported and still supporting my fellow students from different department in training GIS and Remote Sensing, software in matter of bringing GIS to life.
5. From 2019, I was mentoring and consulting students in their final research project as well scientific Research is my passion.

IV. TECHNICAL SKILLS

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| 1) GIS (Geographical Information Systems). | Skills: HTML+CSS+ JavaScript programming language +ChartJs+LeafletJs+Firebase. |
| 2) ArcGisPro | |
| 3) Remote Sensing software: ERDAS v.14, v.15 | 6) Python programming language |
| 4) Satellite Imagery analysis | 7 Graphic design: Adobe (Photoshop, Illustrator, Premier pro) |
| 5) Full Stack Web Development | 8) Operating Systems: Window XP/7/8/9/10 |

Languages:

-  English-Full Professional proficiency
-  Kinyarwanda-Native or bilingual Proficiency



REFERENCES.

1. Dr. Manlio Michieletto

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and built environment.
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2. Mr Nyandwi Emmanuel,
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3. Mr Gregoire HATEGEKIMANA,
Lecturer of Urban Planning,

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I hereby certify that the information
provided is true and correct. My
certificates can be found at my portfolio
website: <https://boazm.netlify.app>

Boaz Mwubahimana,

Done at Kigali, Rwanda on 11th, June 2021.