EMMANUEL CLOUDS MATHEW

ecloudsm@gmail.com | 17645067138 | Harbin, Heilongjiang 150040 | **WWW:** https://github.com/EC-GID

Summary

Master's student at Northeast Forestry University with expertise in data analysis and software development. Proven ability to enhance processes through innovative solutions and effective communication. Skilled in deploying cloud applications and conducting interdisciplinary research, contributing to impactful projects in forest ecology and resource management. Committed to excellence and continuous improvement.

Skills

- Data analysis and research
- Software development and database design
- Remote sensing techniques
- Interdisciplinary collaboration
- Customer service excellence
- Report preparation and writing
- Problem solving strategies
- Effective communication skills

- Cloud deployment solutions
- Quality control processes
- Attention to detail
- Study design methodologies
- Fieldwork experience and application
- Research proficiency and analysis
- Microsoft Office Suite expertise
- Computer skills and applications

Experience

Master's student Northeast Forestry University - Harbin, Heilongjiang | 09/2024 - Current

- Researched new technologies that could be used to improve existing processes or create new products.
- Analyzed data using statistical methods and software packages such as SAS, SPSS, ArcGIS pro, Python, and R.
- Evaluated the accuracy of data obtained from experiments through quality control testing procedures.
- Prepared detailed reports on research findings for presentation to management or external funding sources.
- Deployed web applications on AWS or Azure.
- Developed REST APIs for mobile applications.
- Designed database structures to store data securely and efficiently.
- Assisted with planning, designing, coding, debugging, testing, documenting, and maintaining software applications.
- Developed programs to automate processes and improve user experience.
- Created applications using HTML, CSS, JavaScript, and other programming languages.
- Implemented systems automation using scripting languages like Python and Bash.
- Created CI and CD pipelines with Jenkins and Docker to automate the build process of applications.

Cashier at G&B soap industry limited - Dar es Salaam, Tanzania | 01/2024 - 08/2024

- Efficiently operated cash register, processing payments via cash, check, credit card, and gift card.
- Assisted customers by phone with store operations, product details, and order placements.
- Adhered to company security protocols for managing large cash transactions.
- Executed additional tasks as assigned by management.

STUDENT | SUA BOTANICAL GARDEN | 11/2020 - 11/2023

- Identified, mapped, and monitored vegetation types and wildlife habitats across diverse ecosystems.
- Prepared comprehensive reports summarizing data collected during field surveys.
- Conducted field surveys to evaluate existing conditions and document temporal changes.
- Analyzed remote sensing data from aerial photographs and satellite imagery for resource assessment.
- Developed predictive models for future trends in forest ecosystems.

- Coordinated with agencies on resource management issues to align strategies.
- Executed silvicultural treatments include thinning, pruning, tree planting, and prescribed burning.
- Collaborated with interdisciplinary teams to research various forest ecology topics.

STUDENT | TFS BAGAMOYO - Pwani, Tanzania | 05/2023 - 07/2023
- We attended team meetings and provided feedback on projects.
- Provided administrative support, such as scheduling appointments, filing paperwork, and creating licenses and permits.
- Identified needs of customers promptly and efficiently.
- Audited the company's legal documents to verify compliant policies and procedures.
- Oversaw quality control to identify inconsistencies and malfunctions.

STUDENT | MAZUMBAI SUATF - Morogoro, Tanzania | 01/2023 - 01/2023
- Conducted educational programs on forestry practices for local schools and organizations.
- Assisted with tree and shrub planting to support reforestation efforts.
- Developed strategies for controlling invasive plant species affecting forest health.
- Monitored wildlife habitat conditions across designated forest areas.

Education

Sokoine University of Agriculture (SUA) | Morogoro, Tanzania | 11/2023
Bachelor of Science: Forestry

GPA: 4.2/5

- Ranked in Top 10% of class

SANYA JUU SECONDARY SCHOOL | Kilimanjaro, Tanzania | 05/2019
Some College (No Degree): PCB (physics, Chemistry and Biology)

KIPERA SECONDARY SCHOOL | Morogoro, Tanzania | 11/2016
Some College (No Degree): Science

Northeast Forestry University | Harbin, China
Master of Science: Forestry (GIS And LiDAR Technologies)

Languages

Kiswahili - Speak: Very Good, read: Very Good, write: Very Good, English - Speak: Very Good, read: Very Good, write: Very Good, SPANISH - Speak: Fair, read: Fair, write: Fair, CHINESE - Speak: Good, read: Good, Write: Good

References

- COSMAS J, EMILY, MR., cosmas.emily@sua.ac.tz, +255 758042625, SOKOINE UNIVERSITY OF AGRICULTURE
- CHARLES J, KILAWE, DR., ckilawe@sua.ac.tz, +255 752581069, SOKOINE UNIVERSITY OF AGRICULTURE
- SALIM S, MALIONDO, PROF., maliondo@sua.ac.tz, +255 782869001, SOKOINE UNIVERSITY OF AGRICULTURE

Training

CHINESE LANGUAGE AND CULTURE TRAINING at NORTHEAST FORESTRY UNIVERSITY, HARBIN, CHINA, October- November 2023

PERSONAL DETAILS

- Date of Birth: 1999-12-28
- Sex: Male
- Marital Status: Single
- Nationality: TANZANIAN
- Place of Birth: Morogoro

PROFESSIONAL QUALIFICATIONS

- Course: Software engineering (foundation essential), Python, database design and programming with SQL, startup building for developers, and software engineering essentials
- Institution: Power Learning Project (PLP)
- Year:2025

Languages

Swahili: First Language

English: C2

Proficient (C2)

Chinese (Mandarin): B2

Upper Intermediate (B2)

Websites, Portfolios, Profiles

- https://datahome.netlify.app/
- https://www.instagram.com/clouds_tronics
- https://www.linkedin.com/in/emmanuel-clouds-mathew-b018452a3?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=ios_app