JUSTICE OHENE AMOFA
ACADEMIC CV

Flower Street- New Market Lapaz, Accra •Justiceoheneamofa@mail.com • (+233594920027)

EDUCATION

UNIVERSITY OF GHANA (2018-2023)
BSc. Computer Science

ACCRA ACADEMY (2015-2018)
General Business - West African Senior Secondary Certificate Exams (WASSCE)

COSMOS BASIC SCHOOL (2001-2015)
Basic Education Certificate Exams (BECE)

WORK AND VOLUNTEERING EXPERIENCE

NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH
Bioinformatics Research Assistant
(2022-present)

- Collect, organize and ensure genomic data quality by managing databases and maintain them.
- Utilize bioinformatics tools and pipelines to conduct analysis, interpret results and contribute to results.
- Collaborate with interdisciplinarians in research and publications, maintaining the standardized documentation (Standard Operating Procedures -SOP) ensuring reproducibility and adherence to its procedures.
- Contribute to the development , optimize of algorithms for specific research findings and creating visualizations to communicate complex biological data effectively.

WAEC, TRESTLE ACADEMY AND COMMONWEALTH SHS (2024-2025)
Temporary Exams Clerk / Voluntary and Paid Teaching Assistant

- Assist in maintaining and recording grades of candidates under the guidance and supervision.
- Assist in arranging and aligning every corresponding candidates paper to their school.
- Support the teacher and trainer in preparing and organizing classroom teaching and materials
- Help students with their work providing additional guidance and explanations and provision of lessons.

AYA DATA , GITCALL.IO , DEVOCEAN , MERSON VENTURES , CLASSIC HULT (2015-2024)
Software Engineer and Data Analyst

- Design, develop and maintain software Application with collaborations to gather requirements.
- Write clean, efficient and well documented code and also troubleshoot, debug and resolve software defects.
- Implement statistical models for data analysis and identify trends, patterns and anomalies in datasets.
- Utilize visualization tools for effective story telling and also employ version control systems to manage code and analytical scripts.

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RESEARCH SKILLS

- Proficient int the use of bioinformatics tools and software for the analysis of genomics data.
- Expertise in designing and implementing bioinformatics pipelines for various types of sequencing data.
- Strong Statistical skills for interpreting biological data and drawing scientifically sound conclusions.
- Experience in managing and querying biological databases, such as NCBI, Ensembl , and others.
- Proficient in programming languages such as python ,R for data manipulation and analysis.
- Ability to conduct thorough literature reviews and stay updated with the latest advancements in bioinformatics and software engineering.
- Effective communication skills and a strong problem solving skills , particularly in troubshooting and optimizing bioinformatics workflows

PUBLICATIONS

- Crop Disease Detector .(2024) Roob LLC 20:934-939
- Student Management System, As Undergraduate final year coursework or abstract

WORSHOPS,TRAININGS, CONFERENCES AND PRESENTATIONS

- ALX 9 months training workshop for Software Engineering (ALX Africa)
- Introduction to Bioinformatics, 2023, Workshop by H3ABIONET.
- 2023 Genome Sequencing Bioinformatics Course, Workshop by H3ABIONET and Wellcome connecting Science
- Malaria Genomics Africa Workshop, Noguchi Mem. Institute for Medical Research(Africa CDC)
- Foundation of Data Analytics , Data, Data Everywhere- Workshop(Github Expert)
- Annual Research Meeting (Conference –Noguchi Memorial Institute for Medical Research – 2022 &2023)

AWARDS AND ACHIEVEMENTS

- 2nd Runner up, Computer Vision Hackathon, Trestle Academy Ghana (4th IR)
- Winners of people's Pension Trust Hackathon competition

OTHER QUALIFICATIONS, CERTIFICATIONS

Coursera Full Certifications on :Software Engineering, Google Product Management, Google Data Analytics, Biology Meets Programming: Bioinformatics, H3Abionet: Introduction to Bioinformatics 2023 , Genome Sequencing Africa H3Abionet .
- Level 4 Certificate Routing and switching by Huawei Company

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REFERENCES

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