FREDERICK NII ANNAN OTU-AFRO

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PERSONAL STATEMENT

I am Frederick Otu-Afro, a dedicated and driven individual with a background in Actuarial Science, now passionately pursuing a career in the tech industry as a Web Developer. My journey began in Data Science, where I held a position at Orgmento, and it is here that I honed my analytical and problem-solving skills, which are invaluable assets in Web Development. Beyond my technical skills, I bring a wealth of soft skills to any team. I excel in collaborative environments, communicate effectively, and am known for my meticulous attention to detail. My analytical mindset, coupled with a creative approach to problem-solving, allows me to craft innovative solutions that meet both user and business needs. I am highly motivated by the opportunity to leverage my Web Development and Data Science background to build impactful digital experiences. My goal is to contribute to projects that not only meet technical specifications but also enhance user engagement and satisfaction. As a web developer, I am eager to continue learning and growing, always striving to deliver excellence in every project I undertake.

KEY SKILLS

- Web Development (HTML, CSS, Javascript, React)
- Data Science & Machine Learning (Python, R, Power BI, Tableau, SQL, Docker)
- Mobile Development (.NET MAUI i.e. XAML, C#)
- Verbal & Written Communication skills (reports, proposals, letters of enquiry, reasearch papers, etc…)
- Team Player (coding challenges at CRITAC, product team at Orgmento, etc..)

EXPERIENCE

Generation Web Development Training, April - July (2024)
Frontend Web Development Training with HTML, CSS, Javascript and React
- Working in a team, I used Javascript to build slection functionality in a task planner web app
- I built backend to communicate with the ChatGPT api, so it can be called on a web page
- For my capstone project, I built a multiplayer web app for playing tic-tac-toe
- Developed a web app for the group assigned me, enhancing project functionality and user experience.

Enterprise Life Insurance (Intern), [2019 - 2020]
This internship was part of my coursework for the award of a BSc. Degree to me, hence we were given free range to market and sell as much as possible and submit our results before graduation. Insurance penetration is low in Ghana, hence my not so good performance
- During this time, I marketed and sold two (2) life insurance policies after prospecting 40 people and 3 companies

Africa Skills Hub (Intern), June - August (2018)
This organization specializes in giving young people skillsets in basic workplace etiquettes, basic things to know before owning a startup, CV writing and interview attendance, and personal branding
- Personal branding session with Bernard Kelvin Clive was held
- Emotional intelligence session with James Kwesi Addison was held
- IP Law session with Sarah Norkor Anku was held
- PR session with Cynthia E. Ofori-Dwumfour was held

- Customer Service session with J.N. Halm was held

Max International (Network Marketing Agent), February - May (2018)
This vitamin drugs company is my least successful venture even after reaching out to 30 prospects

Center for Research in Technology and Computing (Volunteer) [2018 - Date]
Periodically, I contribute towards the successful organization of academic conferences on computing and cybersecurity. In the past, I have contributed to research on using Markov chains and AI to instigate proper growth of crops for higher yield and more nutrient content. I have also contributed to using AI to determine how to position footballers for more decent scoreline, which piloted using 5-a-side football teams on GTUC campus.

Young African Leaders Initiative(Member) [2018 - Date]
- A group established by Barack Obama to help the United States expand beyond the reach of in-person exchange programs
- Enabled me to volunteer for community causes like beach cleanups and engage with marginalized communities.

Women In Law Development in Africa (Volunteer Peer Counsellor) [2011 - 2013]
As a very young teenager, I was trained to communicate with colleagues who might be abused one way or the other and encourage them to use the right medium to let the law have its course.

WORK EXPERIENCE

Associate Data Scientist, Orgmento, October (2022) - February (2024)
I did Data Science, Machine Learning, and Mobile Development (using .NET MAUI)
- Among other ML models I built was one to extract data from the ECOWAS ID card (Ghana card)
- Python 3, R, XAML, Power BI and C# were my most used languages/frameworks
- I practised project management concepts like sprint planning and review using Jira and Standup Alice

Junior Associate, Challenges Ghana, February - May (2022)
I was a graduate trainee under the Finance department
- Together with a cosmetics startup owner, I did budgeting (using GHS 11,000) and pricing for her cosmetic products
- I helped the marketing team at the trade fair held at La Palm Beach Hotel
- Staff of our client business were trained by myself on how to use excel-based accounting software

Research Assistant, Institute of Statistical, Social and Economic Research, September(2020) - September (2021)
I undertook my mandatory National Service at the Measurement, Learning and Evaluation Unit here
- Afew of my online searches were used to write research proposals
- Enumerators on the COCOBOD and other projects were trained by myself and the team of RAs
- I helped write research reports on the COCOBOD project
- Data entry and analysis using STATA and Google Forms were done by me

EDUCATION AND CERTIFICATIONS

Univerity of Ghana, *Legon, 2016 - 2020*
- BSc. Actuarial Science

Machine Learning with Python, DataCamp, *2023*

Data Science with Python, DataCamp, *2023*

German Language A1, Goethe Institut, *2024*

Web Development Certificate,Generation Ghana, *2024*

INTERESTS
- Coding
- Poetry
- Music (Singing)
- Languages
- Football

REFERENCES
References available upon request