Kofi Obo Wood

Mobile number: +1 646 732 4171
Email: kobowood1@gmail.com
Github: https://github.com/kobowood1

PROFESSIONAL SUMMARY

A professional with over four years of experience in AI-powered product development, machine learning solutions, and user-centered design. Demonstrates exceptional skill in leveraging state-of-the-art AI techniques, such as Large Language Models (LLMs), to create impactful and scalable solutions. Proven ability to develop clear product visions, strategies, and roadmaps aligned with organizational goals while collaborating closely with cross-functional teams to deliver innovative technologies. Technical expertise spans Python, machine learning architectures, RAG pipelines, and modern product management tools. Passionate about solving complex challenges by blending creativity and technical acumen to advance cutting-edge AI solutions.

WORK EXPERIENCE

AI Data Analyst: Enterprise Technology, Arizona State University
October 2024 – to date

- Designed and evaluated machine learning pipelines, including Retrieval-Augmented Generation (RAG) models, optimizing data integration and inference accuracy.

- Enhanced AI chatbot performance through iterative fine-tuning, leveraging qualitative data analysis to improve user engagement.

- Conducted robust data validation and cleansing, ensuring data integrity and consistency for AI-driven applications.
- Developed visualizations and reports to communicate insights, supporting SEO improvements and chatbot functionalities.

UX Designer: Edplus, Arizona State University
January 2024 – January 2025

- Developing wireframes, prototypes, and high-fidelity designs using tools Figma, Adobe Illustrator, Photoshop, and a suite of tools to communicate design concepts and user flows effectively.

- Designing and developing user-centered interfaces for EdPlus digital platforms, enhancing accessibility and usability for diverse user groups.

- Integrating feedback from stakeholders and end-users to iterate on designs and improve overall user engagement and retention.

Head of Product Development: Wami Agro Ghana Limited
March 2023 – January 2024

- Led IT and product development for Wami Agro's digital platforms, focusing on software development and data management strategies.

- Improved infrastructure and data flow efficiency by 30% through strategic feature enhancements and system optimizations.

- Worked closely with engineering teams to ensure robust, secure, and scalable technology solutions.

Product Manager: Oze Inc. USA
June 2022 – March 2023

- Managed the full software development lifecycle (SDLC) for a SaaS product, focusing on infrastructure scalability and cybersecurity best practices.

- Conducted extensive data analysis and user research using Branch and Mixpanel to inform product strategies and IT roadmap planning.

- Improved platform reliability and performance, resulting in a 25% increase in user engagement.

Head of Operations: Waya Limited UK
December 2018 – May 2022

- Oversaw IT operations for a fintech platform, including system upgrades, security compliance, and IT infrastructure management.

- Implemented new IT processes that reduced operational costs by 20% while enhancing service delivery.

- Managed cross-functional teams, aligning technology initiatives with business objectives to drive growth and innovation.

Project Manager: Limitless Artificial Intelligence Ltd
July 2018 – July 2023

- Utilized various Large Language Models (LLMs) to build customer-facing products, specifically Enlighten, an AI-driven learning platform, CoverAI, a Cover Letter Generator in ZapBot, and a Date-Location recommender.

- Led the development of "Farmer's Friend," from concept to market. Farmer's Friend is an AI-powered agritech solution that utilizes various machine learning algorithms to improve farming efficiency.
- Coordinated with international partners and secured investor funding, resulting in the product being a Top 10 Global Finalist at the 2019 CGIAR Big Data Inspire Challenge.

EDUCATION

MS User Experience
Arizona State University
Tempe, Arizona | **Jan 2024 - May 2025**

BSc (Hons) Mechanical Engineering
Kwame Nkrumah University of Science & Technology
Kumasi, Ashanti Region | **August 2010-June 2014**

TRAINING & CERTIFICATION

Amazon Web Services Certified Cloud Practitioner
AWS | **January 2024**

Project Management Professional (PMP) Training
Cambridge Centre of Excellence | **May 2023 – June 2023**

Google Cloud Training certificate
Google Africa Developer Training Program | **Oct 2022 to March 2023**

Google Project Management: Professional Certificate
Google | **June 2022 – Aug 2022**

SKILLS

- **AI and Machine Learning**: Expertise in building and optimizing AI-first products using GPT-4, DALL-E, Claude, and other LLMs for various use cases, including chatbots and recommendation systems.

- **Cloud Technologies**: Proficient in Google Cloud Platform and Amazon Web Services for product infrastructure and scaling.

- **Product Management**: End-to-end product lifecycle management, product strategy, roadmapping, competitive analysis, and data-informed decision-making.

- **Cross-Functional Leadership**: Leading diverse teams across product, design, engineering, and data science to achieve common goals and deliver high-velocity product features.

- **User Experience**: Research, ideation, and design of user-friendly, scalable applications with a focus on AI-driven user experiences. Tools include Figma, Adobe Illustrator, Zeplin.

- **Data Analysis & Strategy**: Advanced knowledge of data-driven product optimization using tools like Mixpanel and Branch for feature validation, KPIs, and performance analysis.

- **Programming Languages:** Python, JavaScript, HTML, CSS, MySQL.

AI PROJECTS AND PRODUCTS WORKED ON

Designed & Developed Enlighten for Android in 2024
An edtech application that uses computer vision and other machine learning algorithms to provide education to users.

Designed & Developed Cerene for Android in 2024
An emotional wellness application that uses generative AI to improve the emotional health of students.

Designed & Launched Waya App on iOS and Android in 2019
A fintech platform providing cross-border & cross-network payment & money transfer across Africa.

Developed Farmer's Friend application in 2018
An Agritech AI solution built as a mobile hardware device to aid farmers in efficient farming (Project Manager)

AWARDS WON

Awarded $3000 at ASU Venture Devil's Innovation Challenge in April 2024
Received grant funding from the Prescott Student Venture Fund & the Mastercard Foundation Scholars fund for the innovative AI edtech application Enlighten.

Finalist at CGIAR Big Data Inspire Challenge in 2019
Received a Top 10 Global Finalist Award for the agric-impacting project "Farmer's Friend"**.**

VOLUNTEER EXPERIENCE (2007 to date):

- Volunteer Mentor at the Global Give Back Circle Organisation under the Mastercard Foundation
- Volunteer Science & Maths Teacher at Sci-Tech School, Accra.

INTERESTS: Human Interface Design, Artificial Intelligence**,** Product Development Research, Machine learning, Entrepreneurship, Generative AI, Edtech, Fintech.