

IDA PADIKUOR NA-TEI

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EDUCATION

University of California, Berkeley

Master of Design (MDes), Emerging Technologies & Product Design

Expected Dec 2026

Berkeley, CA

- **Awards:** MDes Distinguished Scholar Award; Winner, Berkeley MDes Design for Good Grant

Kwame Nkrumah University of Science & Technology

BSc, Electrical/Electronic Engineering

Jul 2018

Kumasi, Ghana

- **Activities:** Founder, TechWorld Club

EXPERIENCE

Co-Founder & Product Manager, CTN Technologies

Jul 2020 – Jun 2025

EdTech Social Enterprise

Accra, Ghana

- Grew a hands-on AI literacy and robotics learning product to **3,000+ learners (67% female)** by defining the product vision, roadmap, and value proposition across AI, robotics, electronics, drones, and VR.
- Raised program completion to **85%** and partner satisfaction to **4.7/5** by synthesizing **50+ discovery sessions** into PRDs and prioritized releases, enabling engineers, designers, and educators to ship independently.
- Converted pilots into **20+ school partnerships** with **90% renewal** and closed **10+ funding and sponsorship deals** by leading demos and discovery with school leaders, NGOs, and government partners.
- Extended digital safety programming to **500+ young women** and digital skills to **1,000+ underserved youth** by partnering with UNICEF, UNESCO, and the Internet Society as a youth advocate.

Technical Program Lead, The Automation Ghana Group

Sep 2018 – Aug 2025

Industrial Automation & Electrical Engineering

Accra, Ghana

- Cut fault-identification time by **40%** for Volta River Authority operators by defining a phased roadmap for an enterprise SCADA platform and aligning **20+ cross-functional stakeholders** on scope and priorities.
- Reduced manual intervention by **35%** with **zero safety incidents** by leading the BOST automation upgrade, owning requirements and change control as customer specifications shifted.
- Delivered **95% of milestones on time** across **15+ automation solutions** by translating customer needs into requirements and success criteria; lifted proposal win rate by **25%** through user-centered solution framing.

PRODUCT PROJECTS

AI-Powered STEM Learning Platform | Design for Good Grant Winner

UC Berkeley x CTN Technologies

- Enabled **80%** of pilot students to finish builds without a facilitator and cut troubleshooting time by **50%** (n=25) by designing and building an LLM tutor (prompt design and app logic) for 10+ hands-on experiments, informed by **10+ user interviews**.
- **A/B tested** the AI tutor and hardware kit with pilot students, using completion data to decide which versions shipped.

BearWithMe | AI Public Speaking Coach

UC Berkeley

- Boosted speaking confidence for **83%** of 12 test learners (ages 10–14) by building a multimodal product (LLM-guided tablet, speech and gesture analysis) and programming the **ESP32 firmware** and hardware for its robotic bear.

Touch CMS | AI-Assisted Accessible Website Builder

UC Berkeley

- Cut page-creation steps by **40%** for users with visual impairments by leading discovery and requirements for a voice-first, tactile builder and coding its **OpenCV marker tracking** in Python, paired with LLM-generated content.

FixMyScreen | AI Accessibility Chrome Extension

3rd Place, AWS x Datadog x MiniMax Hackathon

- Placed **3rd of 80+ teams** by scoping and coding a working **Chrome extension** in JavaScript in **24 hours** that adapts color, contrast, and layout across **5 accessibility profiles** with speech-to-text input.

LEADERSHIP

Program Lead, Google Women Techmakers Accra

Accra, Ghana

- Led community programs for women in tech as part of Google's global Women Techmakers initiative.

Committee Member, Vice Chancellor's Student Advisory Council

UC Berkeley

- Elevated student well-being on the campus agenda by synthesizing feedback from **100+ students** into **5 recommendations** for university leadership.

Academic Peer Mentor & DEIB Lead, Master of Design Program

UC Berkeley

- Launched **10+ initiatives and events** for a **60+ student** cohort from **15+ countries**, reaching **80%+** of the cohort.

SKILLS & CERTIFICATIONS

Product: Product Strategy, Roadmaps, User Research, PRDs, Prioritization, KPIs, A/B Testing, Product Analytics, Go-to-Market

AI & Technical: Generative AI, LLM Applications, Computer Vision (OpenCV), Accessibility, IoT, SCADA, Python, JavaScript, ESP32

Tools: Figma, Jira, GitHub, Claude Code, Cursor, Lovable, GitHub Copilot, MS Project, Oracle NetSuite, Excel

Certifications: Professional Engineer (PE GhIE), 2023; Project Management Professional (PMP), in progress