OLA ADU

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EDUCATION

Harvard University | Undergraduate studies, Computer Science 2024 - 2027
Member, Harvard Black Students Association

Borough of Manhattan Community College | A.S., Computer Science 2022 - 2024
GPA: 4.0/4.0 • Dean's List; Foundation & SGA Scholarships; CUNY Men's Soccer Champion (2022); NSLS Award; Peer Mentor; Senator

Pace Setters College (High School) | Sciences | Abuja, Nigeria 2014 - 2020

EXPERIENCE

Founding Engineer
Concya | Autonomous General Manager for Hospitality 2025 - Present
- Built Concya's core **agentic general-manager platform**, from system architecture to production workflows for hospitality operators.
- Architected **tool-using agents** with orchestration, memory, structured outputs, retries, timeout handling, and operational decision workflows.
- Built **hospitality integrations** spanning property management, POS, staff scheduling, payroll, delivery, and iMessage/SMS-based employee operations.
- Grew Concya from **$0 to $100K ARR in 12 months**; scaled to **6 hospitality groups, 45 locations, and 700+ employees**.

AI Evaluations Engineer | Frontier Model Programs
Mercor 2026
- Worked on **proactive-behavior evaluation and data labeling** for frontier AI systems, including programs involving Muse and Instinct.
- Assessed **agent initiative and action selection** through labeled scenarios: when a system should act, defer, ask for context, or avoid unnecessary intervention.

Data Training Expert | Grokipedia, Data Curation & Quality
xAI | Grokathon '25 Dec 2025
- Built a large-scale pipeline to process **millions of Wikipedia articles**, identify potential ideological slant, and generate more neutral, evidence-based revisions.

Software Engineer Intern
Premium Merchant Funding 2024 - 2025
- Built a **live sales leaderboard** using Node.js, Python, PostgreSQL, React.js, and D3.js for a 50-person team.
- Implemented microservices and analytics pipelines, reducing reported dashboard data latency from **600 ms to 90 ms**.

Research Intern
Research Foundation of The City University of New York 2021 - 2023
- Engineered **Python/CSV ingestion and transformation pipelines** for EduSoft analytics; trained educators to use data insights.

Field Technical Engineer II
Sentimen Technologies 2021 - 2022
- Executed **750+ enterprise deployments** with a **99.8% reported success rate**; managed Windows/Linux environments across 500+ endpoints.
- Delivered **Level 2/3 support** and secure network configuration for reliability and PCI-aligned operations.

Software Development Intern
FlexiSAF Edusoft Limited 2016
- Enhanced **SAFSIMS/SAFRECORDS** education software and prototyped Python/CSV reporting and automated test workflows.

HACKATHONS & TECHNICAL CHALLENGES

Muse Spark Open Kernel Challenge | Kernel Optimization Oct 2026
Meta × Paradigm × Andromeda | Current standing: **#30 of 1,170 teams**

- Competed across **NVIDIA H200 workloads**: **MoE W4A16**, attention decode, full decode layer, prefill layer, and BF16 projection kernels.
- Researched **CUDA/Triton low-level optimization**, shape-specialized execution, weight reuse, and precision-preserving BF16 compression against SGLang baselines.

Meta Global AI Developer Hackathon | Push the Frontier 2026
WORLDOS | Proposed project for the Push the Frontier theme

- Proposed a physical-world intelligence pipeline: **SAM-based perception** → spatial scene graph → model planning → simulated execution and outcome verification for robotics.

NASA Space Apps Challenge | Participant
Interdisciplinary space and Earth-science innovation challenge

RESEARCH & PROJECTS

Cognitive Labor Pricing Engine | Independent Build

- Architected a **two-stage agent-work verification system** that benchmarks labor pricing against live inference/compute costs.
- Developed **deterministic completion checks** to verify delivered work prior to triggering vendor payments.

Identity Resolution & Signal Engine | Python, Probabilistic Graphs

- Built a public-signal ingestion pipeline spanning **866+ vendor feeds across 50 states**, with low-latency event processing.
- Designed **probabilistic evidence graphs** combining NLP, cross-account references, and temporal location signals to disambiguate entities.
- Implemented **confidence thresholds** to control downstream enrichment and follow-up workflows.

RESEARCH WRITING

Zero Raw Context AI Orchestration — O. Adu
Privacy-preserving orchestration architecture that avoids disclosing raw personal context to frontier models.

World Models for Hospitality — O. Adu
Using simulated operational state to improve predictive planning and decision making in hospitality.

The Emergence of Machine Labor Markets — O. Adu
A research thesis on pricing and transacting autonomous software-agent labor.

CERTIFICATIONS

- **Palantir Foundry Aware** — Palantir Technologies (2025)
- **Palantir Foundry Application Developer Training** — Palantir Technologies

LEADERSHIP & VOLUNTEERING

National Society of Black Engineers · Assistant Judge, NYC FIRST · New York Cares · ASSP · AnitaB.org · Black in Tech