

# O. FELIX AMORUWA

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Technical Product Manager with 12+ years building AI frameworks, developer-facing platforms, and post-training infrastructure at scale — from hand-coding BPTT in C++ to benchmarking GRPO/DPO across TRL, VeRL, OpenRLHF, and NeMo RL on GPU today. NeurIPS-published ML researcher with deep knowledge of the training/post-training landscape and E2E ML lifecycle. Scaled large-scale distributed systems to 675M+ engagements and 50K TPS at Intuit; shipped developer SDKs, OSS-style DevPortals, and research-to-production tooling adopted across 30+ product SKUs. Rare blend of product strategy, technical depth, and hands-on GPU-aware framework building.

## PROFESSIONAL EXPERIENCE

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**INTUIT** | Mountain View, CA

*Staff Product Manager — Developer Frameworks & Platform Infrastructure* 06/21 – 09/24

- Achieved 275% YoY growth in ICE framework engagements, scaling to 675M+ in FY23 across QuickBooks, TurboTax, Mint, Mailchimp, and Credit Karma; scaled large-scale distributed throughput from 6K to 50K TPS via rSocket migration supporting ~1.5M concurrent connections with sub-25ms TP99.
- Extended Java and Python SDK Starter Kits with scaffolding templates, build configurations (Gradle/Maven), testing frameworks, and CI/CD integration — enabling developers to go from zero to production-ready microservice in minutes; model for OSS-style developer product delivery.
- Delivered ICE Self-Service platform (DevPortal, GitOps config, ICE Playground), reducing developer onboarding from 2–3 weeks to minutes in pre-prod and <24 hours for production, while mitigating \$1M+ in projected opex growth.
- Conducted enterprise-wide Service Language Assessment across 9 languages (Java, Python, Kotlin, Go, TypeScript, Scala, PHP, C++, Groovy), analyzing usage data and developer feedback to inform strategic language investment decisions presented to CTO.
- Used SQL and BigQuery telemetry to prioritize developer pain points across ~20 mobile apps and 30+ product SKUs; built Asterias, a declarative asset lifecycle management platform with GraphQL API.
- Led Mailchimp GCP-to-AWS migration for MSaaS and initiated Drift Detection program: authored Java JAR library to scan Git repos for configuration drift and built remediation roadmap using OpenRewrite.
- Implemented ICE Presence in async chat, generating \$480K/month in additional invoicing; deployed Background-to-Foreground Messaging on iOS/Android with <100ms latency. DeveloperWeek 2022 speaker.

**STREAMIO AI** | Oakland, CA

*Founder & CEO — streamio.ai (macOS, Linux, iOS & Web)* 09/24 – Present

- Implemented OpenClaw multi-agent orchestration framework with gateway protocol and subagent delegation — enabling coordinated AI agent workflows and serving as a hands-on OSS-style developer product with deep customer interactions.
- Built production Electron + React + TypeScript desktop application with 100+ components, Redux Toolkit state management, and native macOS/Linux support — providing real-time AI analysis via Claude (MCP SDK) and exposing screen capture tools to AI coding assistants.
- Led 0-to-1 product strategy, AI framework development, and go-to-market execution including customer discovery interviews and iterative product refinement across real estate, insurance, and financial markets verticals.

**FINTELLECT AI** | Oakland, CA

*Founder & CEO — fintellectai.io (iOS/Android/Web)* 09/24 – Present

- Architected RAG retrieval pipeline with ChromaDB vector store, multi-provider LLM orchestration (Claude, GPT-4, Gemini) with fallback routing, structured output validation, and token budget optimization — delivering GenAI-powered financial advisory at scale.
- Built domain-specific conversational AI agents scoped to distinct financial focal points; executed go-to-market through App Store launch following customer discovery and influencer partnerships.

**SPLUNK INC.** | San Francisco, CA

*Senior Product Manager — Search Orchestration* 01/19 – 01/21

- Owned Search Service (Go microservices), Search Catalog (PostgreSQL metadata service), and Splunk Processing Language (SPL/SPL2) — built product roadmaps, PRDs, and acceptance criteria for Splunk Cloud Services (SCS).
- Led query performance optimization initiative for beta customer, building mirrored Enterprise topology for benchmark testing and achieving up to 10x performance improvements in SCS search — directly analogous to GPU performance profiling and optimization.
- Delivered Scheduler Service end-to-end in ~4 months; designed RICE-based prioritization framework across 3 microservice backlogs balancing Fortune 500 and third-party developer requirements. Splunk .conf18/.conf19 speaker.

**KAISER PERMANENTE** | Pleasanton, CA

*SOA Technical Product Manager* 08/12 – 12/18

- Led development and enterprise rollout of Splunk Logging-as-a-Service (1.7 TB daily volume, 200+ internal enterprise customers) and ITSI Application Monitoring-as-a-Service.
- Built Redis caching capability across the enterprise to address scalability, fault tolerance, and data redundancy challenges; led demand forecasting and capacity planning across multiple datacenters.

**IBM** | Pittsburgh, PA / Foster City, CA / RTP, NC

*Software Engineer — Business Intelligence Products* 07/05 – 03/10

- Resolved multiple \$1–5M high-severity customer escalations for enterprise BI software; led cross-functional root cause analysis improving case resolution time by 20% across the Support Organization.

## AI/ML RESEARCH & PROJECTS

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**RL Workbench — Post-Training RL Platform** (2026)

- Built 3-phase post-training workbench covering the full RLHF/DPO pipeline: Reward Lab for designing and A/B testing reward functions (RLVR, learned, hybrid) across 4 datasets (GSM8K, MATH, HumanEval, UltraFeedback), Playground for real TRL-powered GRPO/DPO training with live SSE metric streaming on Apple Silicon (MPS) or CUDA, and Arena for head-to-head framework benchmarking (TRL, VeRL, OpenRLHF, NeMo RL) with GPU Docker passthrough.

- Implemented 12 RL algorithms (PPO, GRPO, DAPO, REINFORCE, REINFORCE++, RLOO, DPO, SimPO, IPO, KTO, ORPO, SPPO) with algorithm-specific metric profiles and standardized throughput/memory/convergence benchmarking across frameworks — directly applicable to optimizing AI frameworks on NVIDIA GPUs.

#### **aeval — AI Model Evaluation Platform** (2025–2026)

- Built local-first evaluation platform with 5 core eval types (factuality, reasoning, instruction-following, safety, code generation), adversarial safety testing, and CI/CD regression detection with automated safety gates.
- Statistical rigor: bootstrap confidence intervals, Welch's t-test, Cohen's d effect size, saturation detection. Stack: FastAPI orchestrator, TimescaleDB, Redis job queue, Next.js dashboard, Ollama.

#### **BRAIN — Protein Structure Prediction ML Platform** (UC Berkeley 2004; rewritten 2026)

- NeurIPS 2014 accepted paper on neural networks for protein secondary structure prediction; 2026 rewrite spans 413 to 8B parameters (19M-fold scale increase) across 5 architectures (feedforward, GRU, Transformer, ESM-2, multi-task) with MLflow, Optuna HPO, and FastAPI serving.
- Original 2004 system: hand-coded neural network in C++ with custom BPTT — foundational ML depth underpinning current post-training and deep learning framework work.

#### **AutoEval — Automated Visual Evaluation for Robot Model Training** (2025)

- Reduced model evaluation cycles from 72 hours to ~4 minutes using multimodal AI (Claude/GPT-4V) spatial reasoning on prediction frames; zero-integration architecture captures from any visualization tool (RViz, Matplotlib) via screen capture, generating structured PASS/FAIL reports with confidence scores.

## EDUCATION

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### **CARNEGIE MELLON UNIVERSITY, SILICON VALLEY**

Master of Science — Software Management Mountain View, CA (08/16)

### **CARNEGIE MELLON, TEPPER SCHOOL OF BUSINESS**

Master of Business Administration — Concentrations: Finance, Quantitative Analysis, Economics Pittsburgh, PA (03/12)

### **UC BERKELEY, COLLEGE OF ENGINEERING & HAAS SCHOOL OF BUSINESS**

Bachelor of Science — Computational Engineering Science Berkeley, CA (12/05)

Certificate — Corporate Finance for Financial Engineering

## TEACHING EXPERIENCE

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### **DE ANZA COLLEGE** | Cupertino, CA

*Adjunct Faculty — Computer Information Systems Department* 04/18 – Present

- CIS 35A/B, 36A/B — Java Programming; CIS 44F — Introduction to Data Analytics; CIS 64E — Fundamentals of Large Scale Cloud Computing (AWS, GCP); CIS 102 — Ethical Hacking; CIS 104 — Digital Forensics; CIS 95F — Managing Cloud Projects.

## ADDITIONAL INFORMATION

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- FAA Commercial Drone License; FAA Private Pilot License (intended CFI)
- O'Reilly & OER Publications: Data Analytics and Managing Cloud Projects (forthcoming Summer 2026)
- First Tee Assistant Golf Coach — San Francisco Chapter (2012–Present), Pittsburgh Chapter (2011–2012)
- Interests: Classical & Jazz Saxophone (Alto/Tenor/Baritone), Triathlon, Golf, Intramural Basketball & Soccer