

# O. FELIX AMORUWA

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Technical Product Manager with 12+ years translating advanced AI/ML capabilities into consumer-facing products at scale — from shipping cross-platform conversational AI and autonomous agent frameworks (0-to-1) to scaling a platform to 675M+ engagements across iOS, Android, and web. Hands-on LLM fluency spans multi-provider orchestration (Claude, GPT-4, Gemini), fine-tuning benchmarks across TRL/VeRL/OpenRLHF/NeMo RL, and RLHF/DPO post-training pipelines. NeurIPS published ML researcher; MS Software Management (CMU), MBA (Tepper), BS Computational Engineering (UC Berkeley).

## PROFESSIONAL EXPERIENCE

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### STREAMIO AI | Oakland, CA

Founder & CEO — Consumer AI Platform (macOS, Linux, iOS & Web) 09/24 – Present

- Led 0-to-1 product strategy and execution for a cross-platform consumer AI application — shipping production Electron + React + TypeScript desktop app and React Native iOS app with real-time AI analysis, contextual conversational AI (Claude via MCP SDK), and voice interaction (ElevenLabs TTS/STT with 6 auto-classified voice profiles).
- Architected OpenClaw multi-agent orchestration framework with gateway protocol, subagent delegation, profile management, and session switching — enabling coordinated autonomous agent workflows across real estate, insurance, health/dental, and financial markets use cases.
- Delivered full consumer product pipeline: Kinde OAuth 2.0 authentication, Stripe tiered subscription billing, Electron SafeStorage for secure credential management, and App Store-ready cross-platform builds (macOS DMG with code signing/notarization, Linux .deb).
- Engineered real-time HLS livestreaming pipeline with multi-stream canvas compositing (up to 9 concurrent sources at 30fps), FFmpeg transcoding, and WebSocket communication layer — demonstrating distributed systems design in a consumer context.
- Drove customer discovery interviews and iterative product refinement, translating user feedback into prioritized roadmap decisions in a fast-paced, ambiguous environment.

### FINTELLECT AI | Oakland, CA

Founder & CEO — Consumer AI & Agents Platform (iOS/Android/Web) 09/24 – Present

- Built mobile-first consumer AI platform with domain-specific conversational agents scoped to distinct user journeys — delivering guided, context-aware advisory interactions across investing, financial literacy, and macroeconomic analysis.
- 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 — hands-on experience with proprietary vs. open-source model trade-offs.
- Executed go-to-market through App Store launch; led customer discovery and iterative refinement based on trader feedback, establishing partnerships with industry influencers.

### INTUIT | Mountain View, CA

Staff Product Manager — Platform Infrastructure & Consumer Products 06/21 – 09/24

- Achieved 275% YoY growth in platform engagements, scaling to 675M+ in FY23 across QuickBooks, TurboTax, Mint, Mailchimp, and Credit Karma — delivering cross-platform features impacting millions of users globally with high reliability and scalability.
- Scaled distributed systems throughput from 6K to 50K TPS via rSocket migration supporting ~1.5M concurrent connections with sub-25ms TP99 — applied distributed systems expertise to guide engineering trade-offs at consumer scale.
- Leveraged telemetry and usage data (SQL, BigQuery) to prioritize developer and consumer pain points across ~20 mobile apps and 30+ product SKUs; built Asterias, a declarative asset lifecycle management platform with GraphQL API.
- Delivered ICE Self-Service platform (DevPortal, GitOps config, ICE Playground), reducing onboarding from 2–3 weeks to minutes; 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.

### SPLUNK INC. | San Francisco, CA

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

- Owned Go microservices product roadmaps and PRDs for Search Service, Search Catalog (PostgreSQL), and Splunk Processing Language (SPL/SPL2) for Splunk Cloud Services.
- Led query performance optimization initiative achieving up to 10x improvements; delivered Scheduler Service end-to-end in ~4 months, demoed at Splunk .conf19.
- Designed RICE-based prioritization framework balancing internal partner, third-party developer, and Fortune 500 customer requirements across 3 microservice backlogs.

### KAISER PERMANENTE | Pleasanton, CA

SOA Technical Product Manager 08/12 – 12/18

- Led enterprise rollout of Splunk Logging-as-a-Service (1.7 TB daily volume, 200+ internal customers) and ITSI Application Monitoring-as-a-Service.
- Built Redis and XC10 caching capability across the enterprise to address scalability, fault tolerance, and data redundancy at scale.

### 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 — LLM Post-Training & Fine-Tuning Platform (2026)

- Built 3-phase RL 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 passthrough in Docker containers.

- 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 — directly applicable to fine-tuning open-source models (Nemotron, Qwen) and evaluating proprietary vs. open-source model trade-offs.

#### **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 with refusal detection, and data contamination detection — enabling rigorous measurement of model quality and trustworthiness.
- Statistical rigor: bootstrap confidence intervals, Welch's t-test, Cohen's d effect size, saturation detection; CI/CD integration with regression detection and automated safety gates. 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; production PyTorch platform with 5 neural architectures (feedforward, GRU, Transformer, ESM-2, multi-task), MLflow experiment tracking, Optuna HPO, and FastAPI serving — spanning 413 to 8B parameters (19M-fold scale increase from original 2004 hand-coded BPTT in C++).

#### **Deep Learning Education Platform** (2025–2026)

- Developed 60 interactive demos across 20 chapters covering Goodfellow's Deep Learning textbook — transformers, GANs, diffusion models, autoencoders, optimization.

## **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 64C/64G — Introduction to PL/SQL; 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