Fortune Emmanuel-King

Machine Learning Engineer at Google (Chrome AI) · Cofounder of Lena · Seattle, WA

fortuneking2001@gmail.com · linkedin.com/in/fortuneking · github.com/4tunekvng · fortuneking.dev

EDUCATION

Northwestern University, M.S. in ECE (Artificial Intelligence), GPA 3.80/4.00 — 2022 – 2023

Northwestern University, B.S. in Electrical Engineering, Leadership Certificate — 2019 – 2022

EXPERIENCE

Google, Machine Learning Software Engineer, Seattle, WA — Aug 2024 – Present

Chrome AI (2026 – Present)

- ML for the safety protections of Gemini in Chrome and its agentic browsing, including the datasets and automated evaluators that measure them, so the agent stays useful without being hijacked by the pages it reads.

Colab AI (Aug 2024 – 2026)

- Led context engineering and personalization for Colab's Gemini agent.
- Improved the quality of AI responses by over 20% through prompt chaining and applied machine learning research for Colab's agentic features.
- Worked on the development and release of Colab's Data Science Agent and the AI-first Colab.
- Developed machine-learning-assisted coding features, and implemented client event recording passed to the model as user-journey trajectories for future fine-tuning.

Amazon, Software Development Engineer, Denver, CO — Feb 2024 – Aug 2024

- Built tools that made it smoother for Amazon vendors to manage their operations, including sorting, filtering and error translations across vendor tooling.
- Prototyped agentic shopping experiences, and worked on machine-learning-generated recommendations for which Amazon.com offers vendors should invest in.

Elevate Creative Group, Machine Learning Engineer, Evanston, IL — Aug 2023 – Feb 2024

- Led the development of two machine learning products: MVP specifications from user research, 50+ datasets moved to the cloud, 100,000+ weekly entries aggregated for training, and real-time data pipelines in Google Cloud.
- Fine-tuned a PaLM 2-based model with feature engineering on large temporal datasets, a ~5% predictive accuracy gain over an autoencoder-based model, deployed behind a REST API for real-time predictions in a user-facing app.
- Designed and built a party-planning chatbot that recommends products from Windy City Novelties' catalog using retrieval-augmented generation and LangChain.

Northwestern University, Teaching Assistant, Evanston, IL — Sep 2022 – Apr 2023

- Peer mentor for Northwestern's advanced machine learning course (CS 349): weekly tutorials, office hours and debugging help for 200+ students.

Amazon, Machine Learning Software Engineering Intern, Denver, CO — Jun 2022 – Sep 2022

- Automated the weekly transfer of 200M+ recommendation items between S3 and DynamoDB across regions and accounts, and built a Redux-React app for vendor feedback.
- Improved Amazon's vendor recommendation model with a reinforcement learning feedback loop, increasing recommendation usage.

Fermilab, Research Assistant, Evanston, IL — Jun 2020 – Apr 2021

- Designed a high-voltage filter for the NEXUS underground cryogenic fridge, reducing noise in dark matter data collection.
- Built a vibrometer and a real-time monitoring page (issue identification 50% faster), and used machine learning (Python, scikit-learn) to detect useful signals in the fridge's data.

PROJECTS

- **Lena** (cofounder): school software (school, teacher and student apps) with an agent layer that turns a teacher's request into finished work, like a quiz or an announcement.
- Built @Campus, a full-stack Android app for university cohort communication, during a software internship at **Meta University**.
- Engineered an **optical neural network** for near-instant face detection (Master's thesis); also a queue wait-time estimator (CNNs) and a fake biography detector (>90% accuracy, LSTMs).
- Research in photonics (Northwestern's **Center for Photonic Communication and Computing**: waveguide modeling with finite difference methods) and quantum computing (**Koch Research Group**: simulations with Qiskit and CUDA).

AWARDS

- Top 5 of 2,100, Q-CTRL Quantum Computing Challenge (QCHack 2021) · Best Technology, WildHacks 2023, for an AI learning companion used by 100+ people.

SKILLS

Python, TypeScript, C++, Java, Go, SQL, TensorFlow, CUDA, LangChain, React, Next.js, Flutter, Django, Google Cloud, AWS, Cloudflare Workers. Machine learning, AI agents and context engineering, AI safety evaluation, computer vision, full-stack development, quantum computing, optical systems.