

Zachary Zhang

AI Product Engineer · Full-Stack Builder

CONTACT

New York, NY

+1 812-223-1496

yang@zacharyzhang.com

zacharyzhang.com · github.com/ZacharyZhang-NY

Entrepreneurial AI product engineer with 5+ years delivering production systems across **fintech, medical compliance, and industrial AI**. Builds products end-to-end – from user research, UX architecture, and systems design to full-stack implementation, launch, and iterative optimization across web, desktop, and native mobile. Comfortable owning zero-to-one bets, shipping to real customers, and compounding product quality through fast feedback loops.

01 Experience

Summit Life Science, Inc.

AI Engineer & Project Manager

Mar 2023 — Present

Long Island, NY · Industrial AI · Marketing Ops

- Led a full **redesign and relaunch of the company website**, improving information architecture, SEO foundations, and conversion-focused user journeys.
- Built **AI-assisted market and customer-behavior analysis** workflows to support faster campaign decisions and sharper audience targeting.
- Coordinated cross-functional execution across business and technical teams while maintaining and optimizing industrial machinery systems.

Stablelance

Founder · Full-Stack Product Engineer

Jul 2024 — Present

New York, NY · Stablecoin · Marketplace

- Designed and launched a **stablecoin-powered freelancing marketplace** for fast, global, low-friction collaboration between clients and freelancers.
- Implemented AI content screening plus **automated billing, collection, and payout flows** to cut manual ops and improve transaction reliability.
- Owned product strategy, UX architecture, system design, full-stack engineering, and continuous deployment with rapid iteration from user feedback.

KOIN Capital Inc.

Co-Founder · AI System Architecture Engineer

Jun 2020 — Present

New York, NY · Fintech · 24/7 AI Backend

- Reengineered front-end optics acceptance testing using **Six Sigma process controls**, reducing cycle time and lowering program costs.
- Led delivery of the official web platform and **native iOS (Swift) and Android (Kotlin)** apps from UX definition through production release.
- Architected the **world's first 24/7 AI-powered financial backend** for continuous data processing and real-time decision support.

PinOn Inc.

Co-Founder · AI & Embedded Systems Engineer

Dec 2019 — May 2024

New York, NY · Edge AI · Computer Vision

- Developed **NVIDIA Jetson-based embedded and computer-vision systems** connecting physical operations to cloud and industrial AI workflows.
- Implemented edge-to-cloud integration patterns and drove **custom rollout plans with 30+ NYC restaurant operators** and partners.

Golden Eye Bionics

Microdevice Process Design Engineer (Contract)

Aug 2017 — Jan 2018

Pasadena, CA · MEMS · Medical Implants

- Researched **MEMS and high-speed circuit architectures** for implantable ocular device programs and reliability-critical medical use cases.
- Modeled electrode and material systems for neural interface applications supporting visual prosthetic development.

02 Selected Builds

Elydora

eLydora.com

Responsibility-grade infrastructure layer for AI agents — cryptographically signed, tamper-evident audit trails for every autonomous action.

Agent Company

agent-company.dev

Open-source desktop app that builds autonomous AI companies — a CEO agent recruits specialized teams, delegates work, and delivers results.

Vigil

usevigil.dev

The world's first authentication system for AI agents — Ed25519 keypairs and Verifiable Credentials for secure agent identity.

RiftIQ

riftiq.gg

Free League of Legends companion — summoner lookup, live game detection, Challenger leaderboards, and post-game OP scores with MVP rankings.

GiraStyle AI

aritzia.girastyleai.com

AI styling concierge that generates and refines shoppable outfit recommendations through fast conversational interaction.

03 Core Skills

PRACTICE

AI Product Engineering Full-Stack Web

Rust / Tauri Desktop Native Mobile

LANGUAGES

Python TypeScript Rust Swift Kotlin SQL

MATLAB Verilog

CRAFT

Figma UX Architecture Systems Design

04 Education

M.S. Project Management

New York University
2020 — 2022 · New York, NY

M.S. Electrical Engineering

New York University
2018 — 2020 · New York, NY

B.S. Electrical Engineering

Rose-Hulman Institute of Technology
2014 — 2018 · Terre Haute, IN