Amy Zhou

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EXPERIENCE

Vizcom · Product Design Engineer — 2026 – Present

- Design and build new AI image workflows for industrial designers, including multi-view generation, region-based materials, print and pattern application, and custom model training.
- Design tools that turn canvas work into presentation-ready documents for design reviews.
- Lead design-system work, consolidating duplicated UI into a shared component library.

Taya · Co-Founder & CTO — 2024 – 2025

- Co-founded a venture-backed AI hardware startup; raised $5M.
- Built AI CAD that generated manufacturable 3D geometry from text and images, then pivoted to an AI jewelry wearable that captures and transforms voice memories.
- Led all engineering: AI pipelines, firmware, electronics and mechanical design.

Mobius · Co-Founder & COO — 2023 – 2024

- Co-founded a materials intelligence startup for circular supply chains.
- Led operations, product and customer workflows that helped manufacturers sell post-industrial byproduct through scrap aggregation, sourcing optimization and transparent recycling.

Apple · Product Design Engineer — 2021 – 2023

- Led materials development and mechanical integration for the FineWoven iPhone Case (US Patent Application 20250088581).
- Designed and prototyped softgoods enclosures for iPad accessories, focused on materials innovation, durability testing and user experience.

Swope Design Solutions · Mechanical Engineer — 2021

- Took medical and consumer hardware from concept to functional prototype: silicone molding, machining, mechanical testing and assembly.
- Improved machine shop workflows.

EDUCATION

Stanford University — 2024

M.S. Mechanical Engineering, Product Realization & Materials
B.S. Engineering, Product Design · Minor in Music

- **Researcher, SHAPE Lab:** designed mechanisms and instrumentation for a force-feedback haptic perception device, through prototyping and user testing.
- **Course Instructor:** designed and taught a Stanford engineering course on textile construction, material behavior and sustainable design.

SKILLS

AI	AI-assisted development (Claude Code, Codex, Cursor), LLM integration, image generation models, LoRA fine-tuning, AI workflow design
Software	Python, TypeScript, React, Next.js, Three.js, Figma
Hardware + CAD	SolidWorks, Fusion 360, NX, DFM, GD&T, mechanical–electrical integration, firmware, CNC machining, additive manufacturing, rapid prototyping
Languages	Mandarin (proficient)