

# Justin Zhu

(Canbo Zhu)

## Creative Technologist

Los Angeles, CA  
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## Education

University of Southern California  
Arts, Technology, and Business of Innovation  
Dean's Scholar & Dean's List  
Aug 2024 - May 2028

## Skills

### Technology

Linux, Networking, Docker, DevOps  
Python, TypeScript, SQL  
Three.js, Nuxt, React  
Blender, Shapr3D

- Full Stack Development
- Server Management
- Enterprise Networking
- System Architect
- Reverse Engineering
- Security Analyst

### Art & Design

Figma, Framer, Photoshop, Lightroom

- Photography
- CAD Modeling
- Product Design
- Interface Design
- Design Thinking

## Honors

Top 10% Contributor - Unsplash (2026)  
Winner - ImmerseGT XR Hackathon (2025)  
Winner - HWeek Hackathon (2023)  
Silver - reFocus Awards (2023)  
First Prize - VEX Robotics Asia Open (2022)

Justin Zhu <3  
love, create, facilitate

## Experiences

### Agartha World

Sep 2025 - June 2026  
Hybird, Los Angeles

### Technical Experience Designer & Tooling

- Modeled **visitor flow for a 38,500 sq ft venue**: 411 guests/hour across 12 zones
- Built an **internal web platform** for asset, floor plan, and process tracking, **used by 8 designers**
- Compiled a reference **catalog of emerging experiential hardware**, indexed by sensory modality

### Guardian Inc.

Sep 2024 - Mar 2025  
Onsite, Los Angeles

### Lead Engineer

- Led **3 engineers** and built **4 edge-AI units** shipped to schools in South Sudan and Tanzania, **reaching 100+ students**
- Architected a **fully offline LLM stack** — local inference with vector search over a Wikipedia corpus
- Worked with design team and nonprofit LetAllGirls to scope **UI for digital beginner children**

### IME Co., Ltd

Nov 2023 - Jun 2024  
Onsite, China

### IT Specialist

- 99.99% server and internet uptime** across office internet, NAS, and ERP server
- Enhanced security and policy enforcement via corporate VPN, MAC filter, and VLAN segmentation

## Projects

### CourseX

Sep 2025 - Ongoing  
Los Angeles

### Full-Stack Developer & Frontend Designer

- Redesigned the information hierarchy to surface **11 fields per course in one scannable row**
- Built an automated SMS-OTP receiver and session pipeline to pull authorized login-walled registrar data
- 46% four-month retention** across the initial closed beta

### USC Class

Sep 2024  
Los Angeles

### Cohort Mural - Engineer

- Designed & manually programmed a **planar cable suspension robot** across a **15x14ft wall, under 1 week**.
- Built the motion system in GCode/Marlin, wirelessly driven by React kiosks over WebSocket on an RPi hotspot

### Individual

Sep 2022 - Ongoing

### Independent Security Researcher

- Responsibly disclosed **3 vulns** — IDOR, SQLi, privilege escalation — **impacting 50+ campuses**
- Coordinated remediation with USC ITS, Huixin Technology, and Kade Intelligence
- Impact scope: **~510,000 user PII records; all three issues patched**

### Individual

Oct 2019 - Ongoing

### DevOps & Networking

- Managed clusters of 10+ servers across the pacific, with 104TB of storage footprint.
- Global high throughput and low latency connectivity** (gaming) via IPLC tunnels and WireGuard VPN.