

Gaoying Wang

Software Developer | AI Applications
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EDUCATION

UCLA
Master of Public Policy
2025 | GPA 3.986/4.0

UC San Diego
BA Economics
Minor in Data Science
2023 | GPA 3.757/4.0
Provost Honors
2020–2022

TECHNICAL SKILLS

Python, TypeScript
JavaScript, SQL
Swift, Kotlin

Next.js, React
Node.js, FastAPI
SwiftUI
Jetpack Compose

PostgreSQL, pgvector
Supabase, MongoDB
Redis

AWS, GCP, Vultr VPS
Docker, Git

AI SYSTEMS

LLM tool calling
Hybrid RAG
Response evaluation
Human feedback
Multimodal workflows

LANGUAGES

Mandarin — Native
English — Fluent

GNG VACATION

Software Developer | February 2025–Present
Joined in accounting and revenue analysis; progressed to independently developing the company's software systems.

Property management platform

Built a PMS for 100+ properties with pricing, calendars, owner reports, and a unified inbox. Integrated Airbnb, Vrbo, and Booking.com via Channex. Replaced a ~\$150/property/month PMS; channel API fees now average ~\$1/property/month.

AI customer service

Built an agent handling ~10,000 guest messages/month with property knowledge, tools, and web search. Automated guest communications, escalated unresolved cases through Lark, and incorporated staff answers into reusable knowledge.

Knowledge and sales workflows

Built employee RAG with pgvector, keyword and title search, and reciprocal rank fusion. Integrated Zoom call summaries with AI lead classification, confidence checks, and CRM audit records.

Visual inspection and rental analysis

Built reference-image cleaning checks with retake and manager-review decisions. Developed rental-strategy analysis using Airbnb/Zillow comparables, listing history, financial tools, and source tracking.

Mobile apps and booking

Built SwiftUI owner and resident apps and a Kotlin owner app over shared PMS APIs. Implemented Stripe authorization and capture for direct bookings, plus calendar-driven cleaning assignments through Lark.

EARLIER EXPERIENCE

LA District Attorney's Office | Attorney Assistant
Jul–Sep 2024 | Reentry program analysis and reporting.

Suzhou Shuozi | Assistant Project Manager

May–Sep 2023 | Material and kiln-record analysis.