

Quandong (Jack) Qian

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Operations engineer who builds AI automations on live business systems and keeps them running. Four years at Texas Instruments automating planning, dispatch, and MES workflows; two agentic systems now in production for outside businesses. Every build ships with a dry-run default, a human checkpoint on writes, and a handoff doc.

EXPERIENCE

Business Planner, Supply Chain — Texas Instruments, Dallas, TX Apr 2026 – Present

- Automated the recurring planning reports and reconciliation checks, saving ~5 hours/week of manager and director review time; taught planners in 13 groups to run the tools themselves, saving each ~2 hours/week.
- Scripted SAP GUI end to end (Python / win32com) for sales-order scheduling, correction, and release; runs in an isolated session with a dry-run default so a bad run cannot touch live orders.
- Built Selenium form-fillers for 12+ internal request types with a human-review stop before submit; nothing auto-submits.
- Replaced manual SAP / Spotfire / Excel cross-referencing with direct SQL on a data-virtualization layer, turning supply-gap reports, the weekly risk email, and quarterly review decks into generated outputs.
- Founded and run a 300-member internal AI community; present the automation playbooks every two weeks so planners can reuse them.

Industrial Engineer — Texas Instruments, Sherman fab Aug 2023 – Apr 2026

- Cut reticle wait time across the fab by 80% by automating reticle scheduling and handling.
- Wrote the real-time dispatching (RTD) logic for the new Sherman fab from zero as part of the build-out team, balancing throughput, cost, cycle time, and on-time delivery.
- Designed the lithography scheduling logic, adding load-port and expression-based constraints the previous logic missed.
- Shipped a Vectara + Webex knowledge-base chatbot so night-shift operators resolve MES issues from step-by-step guidance instead of waiting for day-shift support.
- Redesigned MES message structures and reports for integrated load/unload, reconciling data mappings across 4,802 variations.
- Automated daily dispatch metrics, reticle-delivery ETL, and version checks; migrated dispatch jobs across redundant servers.

Founder & Lead Organizer — Dallas Chinese AI Community · Real Agent Use Cases (side project) 2026 – Present

- Founded Dallas's first Chinese AI community (700+ members); 5 events Apr–Aug 2026, 246 cumulative attendees, up to 70 per event.
- Ran hands-on workshops (40 and 59 attendees) where nontechnical participants built and ran a working email daily-brief agent from a template, then demoed their own automations; wrote the bilingual Agent 101 curriculum behind them.
- Organized a 37-person AI hackathon and two OpenClaw meetups (40 and 70 attendees) on multi-agent workflows in Claude Code.

SELECTED PROJECTS

Live-stream host scheduling system — US TikTok Shop live-commerce agency (in production) Aug 2026 – Present

- Built and run the agency's weekly scheduling pipeline: signed per-person links collect host availability; a Cloudflare Worker (KV + cron) reads scores, pair compatibility, hour limits, and room requirements from Lark Sheets, runs a constraint solver, and writes the draft schedule and gap list back to Lark.
- Replaced a hand-dragged spreadsheet and daily hand-written per-host plans, saving the ops lead ~4 hours/week. The human checkpoint is deliberate: she reviews and publishes; the system never publishes on its own.
- Own it in production: admin panel, 21 regression tests, CI/CD, and a handoff doc so the next maintainer can run it without me.

AI receptionist, voice + SMS — aimanjack.com (live) Jul 2026 – Present

- Built a voice (OpenAI Realtime) and SMS booking agent that share one tool set (availability, create / find / reschedule / cancel) over a booking API on Cloudflare Pages Functions + Supabase Postgres.
- Guardrails: double-booking blocked at the database, confirmation texts to both parties on every write, only approved prices quoted, everything else handed off. English, Spanish, and Chinese.
- Live on a public demo line and self-serve booking page; the same SMS pattern runs for a DFW car dealership.

Open-source agent workflows & docs — github.com/qianquandong · realagentusecases.com 2026

- real-agent-workflows (6 Obsidian workflows), track-ai-visibility, booking-research-agent, a 44-chapter bilingual Google Business Profile guide with installable skill; all with human gates on send/publish. Bilingual Next.js site on Cloudflare Workers with automated publishing gates.

EDUCATION

B.S. Electrical Engineering, Minor in Mathematics — Texas A&M University, College Station, TX May 2022

SKILLS

- Agents & LLMs:** Claude API / Claude Code, OpenAI (function calling, Realtime), MCP connectors, Vectara RAG; dry-run defaults, human-in-the-loop gates, failure boundaries, regression tests against real cases
- Systems & glue:** Python, JavaScript / Node, SQL (Postgres / Supabase), SAP GUI scripting, Selenium, Cloudflare Workers / Pages / KV / D1, Twilio, Lark / Feishu, Notion, Webex APIs · English, Mandarin Chinese