VICTOR ZHANG

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EDUCATION

Carnegie Mellon University B.S., Physics — Aug 2025 – present

EXPERIENCE

Clover Health Associate · Python, Django, Google Cloud — May 2026 – present

- Built the voice and text AI agent for the main helpline of our 150K members, end to end, on ElevenLabs and Twilio.
- Cut the helpline's cost by orders of magnitude while resolving more member requests, faster.
- Designed and built a second voice and text agent for the insurance brokers who sell our plans.
- Made its product and security decisions, from caller verification to checking each AI reply against the record.

Earlier: Data Science Intern, NLP Logix (Jun–Aug 2024); Robotics Intern, Robocore (Jun–Nov 2024).

PROJECTS

NexusGTO Solo · C, OpenMP, Python · nexusgto.com — 2026

- Built a six-player no-limit hold'em AI modeled on Pluribus. It plays a blueprint strategy trained offline by Monte Carlo CFR (8.05 billion iterations, 12.2 GB), and a search takes over once two or three players are left after the flop.
- Cut a six-way benchmark solve from about 22 minutes to 13.4 seconds, 99× faster, with caching and a hand lookup table.
- Search cut its losses to a program built to exploit it from about 115 big blinds per 100 hands (bb/100) with the blueprint alone to 9.2, on the same 2,000 deals.
- Against five copies of the blueprint, the search won +5.73 bb/100 over 14,250 deals (95% CI 2.74 to 8.72).

BibleBuddy Kids Solo · Swift, SwiftUI, Supabase, Cloudflare Workers · App Store — 2025–2026

- Shipped an iPhone app of Bible lessons and quizzes for kids, with 1,416 accounts and 4.8 stars from 124 ratings.

DREWT Partner and developer · Next.js, TypeScript, Supabase, Stripe, MCP · drewt.co — 2026

- Built the store for our custom Corvette parts and tail lights and ran its marketing and SEO: $24.6K from 39 orders.
- Built an MCP server so our nontechnical founder can edit the site through an AI assistant, using 63 scoped tools.
- Fixed every critical and high-severity issue from two security audits, and grew the test suite to about 2,600 tests.

Quorum Co-founder · TypeScript, Python, AWS, Claude — 2026

- Built the AWS platform and screening pipeline for a startup that matches firms with federal contracts. Of 2,429 opportunities screened, 60% were filtered out by rules before any LLM call. Pre-launch.

Brier Trading Group Founder · TypeScript, Next.js, PostgreSQL, AWS · briertradinggroup.com — 2026

- Built a prop-firm platform whose simulated trading accounts fill against live Polymarket order books at Kalshi's fees.

Also built: a local LLM lab running a 177B model at 17 tokens/s on one RTX 3060; an apparel store with Stripe and funnel analytics; Event Monkey, a co-founded iOS app that turns posters into calendar events.

HACKATHONS AND AWARDS

Covered 3rd place, NYC Hackathon · research and pitch · GitHub — Aug 2026
Shopify app that swaps a store's discount for a 1-in-10 chance the order is free, hedged on a prediction market.

WatchTower YHack · team of four · GitHub — Mar 2026
Camera monitor for elder care that takes its rules in plain English, built on YOLOv8, Claude and live WebRTC video.

Jump Trading poker AI CMU × Jump Trading AI tournament · team of two · GitHub — Mar 2026
Bot for a 27-card poker variant, using a C solver with strategies precomputed on AWS EC2.

High school: Congressional App Challenge winner, Florida's 4th district (2023), 3rd in the 5th (2022); 1st at UNF's hackathon (2023), 2nd at CSX's (2024); provisional patent filed, CT imaging (2023); FIRST Team 86 programmer (2022–2025).

SKILLS

AI: Coding agents, YOLO, llama.cpp
Languages: Python, TypeScript, C, Swift, Rust, SQL, Java
Tools: Next.js, React, Django, SwiftUI, Supabase, PostgreSQL, AWS (Lambda, Fargate, Bedrock), Cloudflare, Stripe