

Micah Gao

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EDUCATION

Indiana University | Luddy School of Informatics
B.S. in Informatics; Kelley Accounting Certificate & Business Minor

Bloomington, IN
Expected May 2029

EXPERIENCE

Accounting & Technology Intern May 2026 – Present
H.T. Hackney | \$4B+ Wholesale Distributor *Indianapolis, IN*

- Uncovered a systemic formula error behind \$30K in recurring overpayments while processing tariff refunds across 1,600+ containers and \$4M+ in order value, then delivered a corrected formula adopted for all future refund cycles
- Designed and built an Excel refund model from an open-ended business request, delivering pivot analysis executives up to the company president use to set item-level refunds and anchor negotiations with the company's largest accounts
- Valued \$500K+ in prepaid overseas inventory for month-end close by matching 300+ vendor invoices in Microsoft Dynamics to container codes, warehouses, and landed costs, then preparing accruals across 20+ overseas vendors
- Develop a self-hosted internal Next.js e-commerce catalog letting employees purchase furniture at wholesale prices

M&A Machine Learning Intern May 2026 – Present
University of Indianapolis *Indianapolis, IN*

- Lead 1 of 2 MBA-level M&A research tracks, building 15 risk and solvency ratios across 50+ public acquisitions
- Apply information-gain selection across 30 variables, surfacing the 5 highest-signal predictors of acquisition outcomes

Director of Technology June 2026 – Present
Aperture Partners *Bloomington, IN*

- Lead technical workshops training consultants and project leads for a 501(c)(3) B2B consulting organization named Kelley Organization of the Year, serving clients including Toyota, Cummins, Bond AI, and the Indianapolis Indians
- Rebuilt the organization's Slack workspace, channel architecture, and onboarding flow for a fall class of up to 40 new consultants, and designed its tiered client pricing framework spanning \$2K to \$10K+ per engagement

PROJECTS

StudForge | *Swarm Robotics World Compiler; Python, React Three Fiber, Qwen, Redis* June 2026

- Built the real-time 3D frontend in TypeScript and React Three Fiber, texturing compiler-generated brick worlds with Midjourney MCP assets and rendering live swarm simulation so users inspect each validated scene as it compiles
- Engineered the Python compiler backend on typed Pydantic contracts, turning prompts into a schema-constrained SceneSpec and gating every layout through connectivity, collision, and coverage validation before canonical USD export
- Approximated an NP-hard set-cover compression with a fine-tuned Qwen2.5-1.5B model held to a deterministic validator floor, and ran three observer agents streaming findings into Redis-backed memory that biased later generations

Onkos | *Agentic Oncology Trial Matcher; Next.js, FastAPI, LangGraph, vLLM* April 2026

- Engineered an agentic clinical trial matching system pairing cancer patients to active oncology trials, scoring each against 20+ eligibility criteria and surfacing per-criterion disqualifying logic with cited rationale for clinician review
- Self-hosted MediX-R1, a 30B medical vision-language model, on an NVIDIA GH200 via vLLM, and orchestrated Kimi-K2 through LangGraph for agentic tool calls and RAG-grounded clinical reasoning over a corpus of trial protocols

HONORS & PROGRAMS

Grand Prize Finalist | UC Berkeley AI Hackathon June 2026
UC Berkeley *Berkeley, CA*

- Named a top 10 finalist out of 460+ teams and 1,600+ participants at the world's largest AI hackathon, run by Cal Hacks
- Pitched StudForge live on the main stage to a panel of venture capital judges and founders as a top-2 track finalist

Regeneron Grand Prize Winner | HackPrinceton April 2026
Princeton University *Princeton, NJ*

- Won the \$1,000 Grand Prize on Regeneron's Best Use of AI for Clinical Trials track against 600+ competing hackers

Selected Competitor | Stanford TreeHacks February 2026
Stanford University *Palo Alto, CA*

- Selected from 15,000+ applicants at a 3% acceptance rate, one of the most competitive collegiate hackathons
- Demoed Redhue, a wildfire-spread dashboard, to Anthropic and a CAL FIRE chief as 1 of 20 projects picked from 400+

Selected Participant | Deloitte Compass Conference August 2026
Deloitte *Westlake, TX*

- Selected nationally for Deloitte's fully funded early-career conference at Deloitte University, its leadership center

External Programs: PEAK6 Young Professionals, Expedition EY Technology Track, Goldman Sachs Possibilities Series

TECHNICAL SKILLS

Business: Excel, PowerPoint, QuickBooks, Microsoft Dynamics AX, SEC 10-K/10-Q analysis, M&A research

Engineering: Python, TypeScript, JavaScript, Swift, SQL, React, Next.js, FastAPI, AWS, Supabase, Postgres, Docker

ML/AI: RAG pipelines, vision-language models, agentic systems, LLM fine-tuning, vLLM, LangGraph, WEKA