

IKER HUANG

Toronto, ON | (437) 799-9567 | iker.huang@mail.utoronto.ca | github.com/Lunear01 | linkedin.com/in/iker-huang

SUMMARY

Second-year Computer Science Specialist at the University of Toronto who ships LLM products real people use daily: tool-calling agents, retrieval-grounded assistants, and multimodal document extraction in Python and TypeScript on the Anthropic, OpenAI, and Gemini APIs. Focused on the engineering around the model - tool schema design, grounding, evaluation, and cost. Seeking an AI/ML Engineering internship.

EDUCATION

University of Toronto, Toronto, ON

Expected May 2028

Bachelor of Science, Computer Science Specialist - International Merit Admission Award

Coursework: Data Structures and Algorithms, Software Design, Object-Oriented Programming, Systems Programming (C), Linear Algebra, Discrete Mathematics

EXPERIENCE

AI Engineer (Contract), Import and Logistics Client, Remote

Jul 2026 - Present

- Built an LLM bookkeeping assistant in daily production use: plain-language messages in three languages and currencies become structured ledger entries via schema-constrained output.
- Added multimodal receipt extraction (image and PDF to structured fields), routing inference across Gemini, DeepSeek, and OpenAI endpoints to trade off cost against reliability.
- Designed a human-in-the-loop confirmation step so no model-proposed entry commits without staff approval - the core safety control for an agent writing to real financial records.
- Gate every deploy on a Vitest suite scoring extraction accuracy against fixture cases; built on Cloudflare Workers, Hono, and TypeScript with D1 and R2.

Founder and AI Platform Engineer, Sinapsis, Remote

Jun 2026 - Present

- Architected an AI assistant over a self-hosted ERP that acts through a whitelisted tool schema, grounded strictly in tool results - it reports "not found" instead of inventing records.
- Scoped execution so every tool call runs under the end user's own authenticated session, making guardrails a property of the architecture rather than the prompt.
- Gate all writes behind a field-level confirmation dialog and block protected fields before render; ground procedural answers in a curated, version-correct corpus.

Co-Founder and Technical Lead, TheoryY, Remote

May 2024 - Present

- Built an equity-research agent in Python that drafts analyst memos grounded in live SEC EDGAR filings and FRED macro series, with citation enforcement so no figure ships without a source.
- Developed MCP servers and agent skill definitions exposing financial-data tools to LLM clients.
- Own stack selection, deployment, and production operations for every AI product the studio ships.

PROJECTS

Tuxie's Wiki, Project Lead

May 2024 - Present

- Lead a community documentation site publishing 20+ technical guides for non-expert readers on VuePress and Node.js; 10+ GitHub stars.
- Coordinate outside contributors through GitHub issue tracking and pull-request review.

SkyPath, Developer

Apr 2025 - Sep 2025

- Graph and tree-based route optimization in Python; benchmarked pathfinding approaches on runtime and correctness.

SKILLS

AI and LLM Engineering: LLM application development, tool calling, AI agents, agentic workflows, prompt engineering, retrieval-augmented generation, structured output and JSON schema validation, hallucination mitigation, human-in-the-loop confirmation, multimodal extraction (OCR), evaluation, MCP

APIs and Frameworks: Anthropic Claude API, OpenAI API, Google Gemini API, DeepSeek, LangChain, Claude Agent SDK, REST APIs

Languages: Python, TypeScript, JavaScript, Java, C, SQL, Bash

Data and Backend: SQLite and Cloudflare D1, relational schema design, database migrations, data pipelines, third-party data APIs (SEC EDGAR, FRED), caching, rate limiting

Cloud and Tooling: Cloudflare Workers, R2, Docker, Docker Compose, CI/CD, Linux administration, Git, GitHub, code review, Vitest

Spoken: English (fluent), Mandarin (native), Spanish (professional working proficiency)

AWARDS

UofCTF 2026 - 15th place, UofT Division | PicoCTF 2026 - 100+ challenges solved | International Merit Admission Award