HENRY WANG

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Education

University of California, Riverside *June 2028*
Bachelor of Science in Computer Science **GPA:** 3.94/4.0
Research Assistant, Ballard Lab (Cog. Science) · Founding President, Highlander Builders Initiative · Projects VP, ACM@UCR

Experience

Founding Engineer *Feb 2026 – Present*
SixtyFour AI (YC X25) *San Francisco, CA*

- Architected our multi-tier people-research agent, SOTA on RECON, **12 points over OpenAI, Google, Grok, and Parallel**.
- Created RECON, the first people-intelligence benchmark, **474 primary-source-verified fields** at 98.5% judge agreement.
- Developed the XHigh tier: **collaborative research subagents** that build a self-verifying knowledge graph and filesystem.
- Shipped Atlas, a human-in-the-loop workspace: analysts edit, add sources, and steer **1,457 long-horizon investigations**.

Software Engineering Intern *Dec 2025 – Feb 2026*
SixtyFour AI (YC X25) *San Francisco, CA*

- Rebuilt people search architecture over a **500M+ person index**, improving **precision@50 by 62%** and **latency by 40%**.
- Built a durable contact enrichment engine on Temporal with automatic fallback and caching, processing **1.7M+ lookups**.
- Created and evaluated a user-facing AI agent that builds DAG workflows with page-aware context, serving **35K+ messages**.

Data Structures and Algorithms TA *Sep 2025 – Dec 2025*
University of California, Riverside *Riverside, CA*

- Evaluated and provided feedback on C++ data structures and algorithms assignments and assessments for **130+ students**.
- Led office hours to resolve DSA and debugging questions (graphs, trees, deques) and unblock assignment progress.

Founding Backend Intern *Jun 2025 – Sep 2025*
*twocents.money (**$3M pre-seed**, joined pre-funding)* *San Francisco, CA*

- Built an automated content mod for **4500+ users** and a CI/CD pipeline with auto-documentation via Claude Agents SDK.
- Added Plaid debt-endpoint support to incorporate liabilities into net-worth tracking across $200M+ in linked assets.

Chief Technology Officer *Feb 2025 – Jun 2025*
BearBytes.fyi *Riverside, CA*

- Developed a student-run dorm delivery platform serving **300+ customers** at UCR, backed by a $10K angel investment.
- Engineered the Node.js backend with order validation, driver dispatch, and a Zelle-based payment verification system.

Projects

LocalBrain (Cal Hacks 2025) | *FastAPI, Claude, Next.js, Electron, MCP, OAuth*

- Built a personalization layer for AI apps, that unifies data sources (Gmail, iMessage, etc.) into organized markdown notes.
- Built a self-correcting **RLM ingestion pipeline** achieving **95% on LongMemEval**, using ripgrep to search **10K+ files in <2s**.

Chiron | *Next.js, OAuth, PostgreSQL (pgvector), Gemini Embeddings, FastAPI, AWS S3*

- Developed a platform enabling users to chat with realistic AI versions of notable people using a custom retrieval system.
- Implemented multi-query retrieval with **Reciprocal Rank Fusion**, **dynamic participant routing**, and **citation-level context**.
- Built a Python pipeline ingesting **15,000+ documents** (YouTube, RSS, blogs) into normalized Markdown and embeddings.

Skills

Programming Languages: Python, TypeScript, C++, JavaScript, Java, Swift, Bash
Frameworks & Libraries: Next.js, React, Node.js, FastAPI, Flask, Express.js, Firebase, Tailwind, OpenCV, MongoDB, Postgres
Tools: AWS Lambda, Temporal, Redis, AWS S3, Cloudflare Workers, GitHub Actions, Vercel, Discord.js, Google Cloud, Docker
Concepts: Frontend, Backend, System Design, REST APIs, Context Engineering (LLMs), Software Engineering, Neuroscience