Hanson Wen

Bio+Math@Berkeley, 9x Hackathon Winner, Biohacker, ICML/NeurIPS '26, Guinness World Record Holder
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Education

UC Berkeley — Molecular and Cell Biology + Applied Mathematics — Cumulative GPA: 3.8 | 2025–2029
- *Activities:* Project Lead at Computational Biology @ Berkeley, iGEM@Berkeley Computational Team Member (De novo protein binder design, transcriptome foundational models), ACE (Association of Chinese Entrepreneurs), AI Entrepreneurs at Berkeley Incubee SP26

Harrow International School Hong Kong — 2012–2025
- A-Levels (A*AAA): Math, Further Math, Physics, Biology; SAT: 1570; British Biology Olympiad: Gold

Professional Experience

Lawrence Berkeley National Lab — Jul 2026–Present
Quantitative Metabolic Modeling Group — Undergrad Researcher
- Working on bio discovery automation and self-driving labs with Dr. Apostolos Zournas

Regeneron Pharmaceuticals — JEDI Research Fellowship — Jul–Sep 2026
- Developing predictive models to optimize clinical trial design and patient cohort stratification, leveraging multi-omic data and personalized biology for targeted drug efficacy

UC Berkeley Sky Computing Lab — Student Researcher — Jan–May 2026
- rLLM hive team. Developing Agent Swarms for Biology. [Repo]

Berkeley RDI — Student Researcher — Jan–May 2026
- Helping build AgentHLE, Humanity's Last Exam for computer use agents; benchmarking agent performance across 63 high-GDP domains from 3D modeling to accounting to education

Enso Biosciences (Founders Inc portfolio company) — ML Engineer — Nov 2025–Present
- Building foundational AI models that leverage multi-modal patient input (transcriptomics, histopathology slides, EHR etc.) to help oncologists better predict treatment risks for cancer patients
- Model training/inference infrastructure, model architecture design

Publications Google Scholar

- **Agents' Last Exam** (co-author) — NeurIPS 2026 main conference poster (Evaluations & Datasets Track); benchmark of 1K+ long-horizon real-world agent tasks across 13 industry clusters
- **WorldFork: Auditable Branching Rollouts for LLM Forecasting** (first author) — ICML 2026 Forecasting Workshop; auditable forecasting with branching timelines, endpoint ledgers, path mass, and provenance
- **The Hallucination Dependence Index** (co-first author) — ICML 2026 FM4LS Workshop accepted poster; clinical-LLM faithfulness metric on TCGA-LUAD oncology cases
- **Arthritis Biomarker Machine Learning** (first author) — Archives of Proteomics and Bioinformatics, 2024: 79 DEGs from spatial transcriptomics of 6 synovial biopsies; 93.3% LGBM accuracy with GO/KEGG/SHAP interpretation

Projects

- **CodexProphet:** Built a Kalshi prediction-market forecasting and trading agent that outperformed the market baseline in ProphetHacks; presented orally at the ICML 2026 Forecasting Workshop in Seoul, Korea. [Repo]
- **Personal Genome Analysis:** Processed my 131GB genome (88.63% mapped; 4.99M variants); analyzed high-impact mutations, East Asian ancestry, and CYP2D6/CYP2C19/CYP2C9 pharmacogenomic markers; deployed a 128GB RAM/1.5TB GCP pipeline [Repo]
- **Enso Atlas:** Google MedGemma Impact Challenge Top 10 (Honorable Mention) out of 878 submissions; fully local on-premise pathology AI system for treatment-response prediction; analyzes whole-slide images using TransMIL, Path Foundation, MedSigLIP, and MedGemma for slide-based prediction, evidence visualization/retrieval, and reporting; FastAPI + Next.js + PostgreSQL
- **De Novo Protein Binder Design & Validation:** Built RFdiffusion-based pipeline for generating novel protein structures conditioned on active site motifs; validated designs via structural alignment of catalytic residues using PyMOL and binding affinity scoring with AutoDock Vina; developed as part of iGEM computational team

Honors & Awards

- **Guinness World Record** — Fastest scheduled-flight circumnavigation (44h 33m 39s); partnered with disability rights advocate Cham-Kai Yip to promote accessible air travel; featured live on TVB — 2024
- **iGEM Gold Medal (Team Lead)** — Led 14-member synthetic biology team to Gold Medal; coordinated wet lab experiments, computational modeling, and human practices components — 2022
- **Hackathon Wins:** **Beyond Hack Day 2026** — 2nd Physical AI; **HackTech 2026** — 1st Listen Labs; **CalHacks 12.0** — 1st Regeneron; **YC Bio/AI** — Winner; **MedGemma Impact** — Top 10 — 2025–2026