

Haoxin Jayden Song

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EDUCATION

Stanford University | *B.A.S in Computer Science and Economics* Stanford, CA
GPA: 3.76/4.00, Major GPA: 3.87/4.00 Expected June 2029

- Coursework: Linear Algebra & Multivariable Calculus (MATH 51), Introduction to Probability (CS 109), Programming Abstractions (CS 106B), Machine Learning for Algorithmic Trading (MS&E 242)

University of Michigan | *Dual Enrollment* Ann Arbor, MI
GPA: 4.00/4.00, SAT: 1580 (790M, 790RW) Sept 2023–April 2025

- Coursework: Topics in Applied Data Analysis (ECON 258), Bioinorganic Chemistry (CHEM 303), Introduction to Probability (MATH 425), Intermediate Organic Chemistry (CHEM 420)

EXTRACURRICULAR ACTIVITIES/LEADERSHIP EXPERIENCE

Political Science Summer Research College — Stanford University Stanford, CA
Research Assistant June 2026–Present

- Processed and harmonized 13.2M+ multistate teacher-roster and compensation records for longitudinal research
- Constructed turnover, mobility, salary, and experience measures; linked NCES data and validated probabilistic teacher-voter linkage using phonetic blocking, EM scoring, and geographic filters.

Charles R. Blyth Fund — Stanford University Stanford, CA
Analyst Sept 2025–Present

- Member of Stanford's undergraduate student-managed investment fund, conducting equity research and valuation across public markets.
- Covering REITs and emerging market equities using NAV/FFO-based valuation for REITs and DCF/comps

Lehnert Lab — University of Michigan Ann Arbor, MI
DRISE Scholar Jun 2023–Aug 2024

- Conducted 40 hrs/week wet-lab and computational research on Ruthenium Nitrosyl Complexes using Gaussian 16
- Presented research at the 2023 University of Michigan Undergraduate Research Symposium, 2024 American Chemical Society National meeting and 2024 University of Pennsylvania National Research Conference

Wharton Investment Competition “White Paper Capital” Ann Arbor, MI
Team Captain May 2023–June 2025

- In the 2025 competition, led 7-member team to finish in the top 50 out of 1800 teams from 66 countries
- Constructed subsector-specific factor models by selecting and testing industry-specific drivers (e.g., load factor and fuel-price exposure for trucking)

PROJECTS

Concurrent Execution Engine | Rust, Tokio

- Built a concurrent Rust order manager with per-order execution lanes, allowing independent orders to advance in parallel while rapid reprices collapsed to the latest intent and urgent cancels bypassed queued work
- Versioned in-flight mutations so late broker responses could not overwrite newer state, and preserved cancellation intent when replacements created new order IDs.

Real-Time Market Data Engine | Rust, Tokio

- Built a real-time engine across Databento OPRA/GLBX, dxFeed, and IBKR; isolated products into independent tasks and replaced queued dispatch with inline per-row.
- Designed a committed-watermark publication protocol and deterministic interleaving tests that prevented subscribers from missing concurrently published listings or universe resets.

AWARDS

AMC 10/12 Certificate of Distinction (Top 5% of scorers) and AIME Qualifier	2022,2023
U.S. National Chemistry Olympiad Honors (Top 150 nationally)	2023,2025
DECA International Qualifier; State Champion	2023,2025