

Eric Hou

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"The best ideas come as jokes. Make your thinking as funny as possible." — David Ogilvy

Education

Los Gatos High School 2023 – present
GPA: 4.0 UW/4.6 W

West Valley College 2025 – present
Concurrent enrollment (Multivariable Calculus, Differential Equations, Linear Algebra)

Programming/research experience.....
Python (NumPy, SciPy, PyTorch, TensorFlow), Data Analysis, Linear Algebra, Topology, $\text{\LaTeX}$, MATLAB

Selected fellowships and awards

United States Physics Team Member
Team Canada, International Olympiad on Astronomy and Astrophysics
USNCO High Honors
3x USA(J)MO Qualifier
Stanford Math Tournament, 10th Place Discrete

Experience

Research @ Stanford 2026 – present
Conducted research under the mentorship of Stanford professor and PhD Student on Approximation-Free Diffusion Posterior Sampling for scientific inverse problems. Applied the method to InverseBench tasks including linear inverse scattering, Navier–Stokes, and full waveform inversion.

Founder & instructor: Los Gatos Math Circle 2022 – present
Founded weekly proof-based math circle for 20+ students. Led advanced problem-solving discussions and organized local competitions. Trained and led successful teams for regional and collegiate math tournaments.

Creator: Math YouTube Channel 2024 – present
Produced animated explanations of Olympiad mathematics using Manim. Built educational content reaching thousands of students worldwide.

CoFounder : Rooxts 2025 – present
Built VC-backed social application to foster genuine friendships. Scaled platform to early adopters and secured funding at \$100K valuation.

Last updated June 22, 2026