

Derek Sha

Rising junior, Sage Hill School, Newport Coast, CA

Autobiography:

Derek Sha is a student at Sage Hill School in California with a deep interest in STEM, particularly artificial intelligence, physics, and mathematics. He has conducted independent research on the AI applications in drug discovery and accessible education. His work bridges science and technology, often focusing on real-world impact and innovation. Derek also developed MemoLens, an AI-powered platform that organizes school event photos using facial recognition and content moderation, which is now used across his campus.

Beyond academics, Derek is committed to service and leadership. He volunteers to teach math and computer science to children with autism. In addition, he participates in Science Olympiad, competitive math, and engineering challenges, consistently exploring new ways to apply scientific thinking to practical problems. In every pursuit, Derek aims to combine curiosity with social responsibility.