

JUSTIN PAREDES

Scientific Visualizer / Computational Designer

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EXPERIENCE & LEADERSHIP

Visual Design Lead

Jan 2026 - Present

Engineers & Scientists Acting Locally (ESAL)

- Architected visual identity and instructional design for a national 9-module civic engagement video course, standardizing UI/UX.
- Translate dense data into accessible infographics for executive policymakers to drive community outreach campaigns.

Chief Design Lead

Aug 2025 - Present

High School Yearbook

- Promoted from Section Lead to direct a student team in executing the publication's visual layout and typography.
- Manage strict prepress print deadlines using Adobe Creative Suite, ensuring cohesive, professional-grade visual storytelling.

Advanced Mathematics Peer Tutor

Aug 2025 - Present

College of the Canyons

- Mentor peers in 9th-grade Geometry through college-level Calculus II via classroom seminars and 1-on-1s.
- Design custom visual analogies to shift students from rote memorization to conceptual math intuition.

SELECTED PROJECTS

Syntropy (EdTech Platform)

Self-taught Python (Manim) and Premiere Pro for a 10 minute calculus visualization. Leveraged AI to rapidly deploy a supporting educational website.

The Obsidian Mirror (Brand System)

Designed a comprehensive museum brand identity exploring Aztec geometry. Created a vector-based poster and book layout using Illustrator (Scholastic Award Winner).

Science Olympiad Blueprints

Served as Technical Communication Lead. Drafted professional-grade isometric Illustrator blueprints (with shear-stress analysis) for Boomilever to improve team documentation and performance.

PROFILE / SUMMARY

First-generation mathematics and physics student working in the intersection of Human-Computer Interaction and visual communication. I specialize in translating rigorous STEM concepts into intuitive visual systems.

EDUCATION

Academy of the Canyons / College of the Canyons

Expected June 2027

Middle College High School Program - First-Generation Student

Degrees: LAS Math/Sci Typical, A.S. Mathematics, AS-T Mathematics for Transfer, AS-T Physics for Transfer.

GPA: 4.0 Unweighted | 4.67 Weighted

Coursework: Multivariable Calculus, Linear Algebra, Differential Equations, University Physics.

HONORS & AWARDS

- HSF Scholar:** Selected for the Hispanic Scholarship Fund Youth Leadership Institute (Top ~7% of 6,500+ applicants).
- Scholastic Art & Writing:** Honorable Mention, Graphic Design (Top <1% of Los Angeles region).
- Santa Clarita Sister Cities:** Winning local entry for "Triangulating Peace" (Global data network visualization).
- College Board:** First-Generation National Recognition Award.

TOOLKIT

Software: Python (Manim), Adobe Illustrator, After Effects, Premiere Pro, Canva.

Focus: Human-Computer Interaction, Scientific Visualization, Data-Driven Storytelling, UI/UX.