

EDUCATION

William B. Travis High School

Houston, Texas

Expected Graduation, May 2029

- o **GPA:** 4.60/4, **u-GPA:** 3.95/4
- o **Advanced Coursework:** AP Principles of Computer Science (5), AP Environmental Science (5), AP Physics 1 (5), AP Statistics (5), AP Human Geography (5), AP Physics C (Mechanics), AP Physics C (Electricity and Magnetism), AP Computer Science A, AP World History, AP Calculus BC, AP Physics 2, AP Precalculus

EXPERIENCE

University of Texas at Austin

Researcher

January '26 - May '26

Researched quantum computing fundamentals using Python and Qiskit to build and simulate complex quantum programs. Analyzed system noise and interference to develop practical error-correction solutions for next-generation computers.

Massachusetts Institute of Technology

Researcher

May '26 - Present

Engineered the backend infrastructure for the AGORA 1.0 AI research project. Built a real-time API system to significantly reduce compute costs and overcome memory limits. Developed a custom database logging public and private interactions, equipping researchers with the precise data needed to study AI ethics.

[ReactXN](#)

Software Engineer

June '26 - July '26

Developer of ReactXN, a browser-based interactive simulator for chemical processes. Built a complete drag-and-drop sandbox that allows users to design, test, and control chemical plant models in real-time. Engineered the platform to run entirely locally without requiring external servers, installations, or sign-ups.

[RelyCFO](#)

App Developer

May '26 - July '26

Designed and deployed a comprehensive corporate website for RelyCFO, a financial consulting services firm. Built a specialized data extraction tool designed to automatically parse complex tax documents. Engineered the backend infrastructure to seamlessly transfer this structured financial data via APIs..

[NudgEm](#)

UI/UX

June '26 - Present

Built an interactive educational platform featuring 14 sandbox environments designed to help users experience and understand cognitive biases. Engineered a real-time dashboard that tracks progress and maps decision-making patterns without requiring user accounts.

[Veluma](#)

Software Developer

June '26 - Present

Built a privacy-first portfolio analytics platform featuring client-side computation engines designed to help investors measure maximum drawdown, correlation, and risk-adjusted returns. Engineered a zero-server architecture that processes raw CSV trade histories and fetches live API price data entirely in the browser without requiring user accounts.

[EntreVamp](#)

Research Dept. Head

December '25 - Present

Directed a 1,000+ person research team to identify emerging market trends and technologies. Translated complex data into actionable insights to prioritize new business opportunities, shape product strategies, and build key partnerships that expanded overall market share.

[Project Arroyo](#)

May '26 - August '26

Frontend Engineer

Engineered a digital mapping platform for The Arroyo Seco Project to guide urban plant restoration. Integrated QGIS and NASA data to conduct spatial analytics on local tree canopies. Built a custom scoring system to evaluate green spaces and pinpoint high-priority conservation zones.

[Equinomics](#)

May '26 - August '26

Web Developer

Integrated public datasets and qualitative case studies to develop EquiNomics, an interactive platform analyzing the macroeconomic impacts of gender inequality. Created real-time simulators and models to let users adjust trends.