Ayden Edwards

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in aydendeanedwards

Education

2024–2028	**B.Sc. in Mathematics, Honors**, *University of Houston*, Houston, Texas
2024–2028	**B.S.E.E. in Electrical Engineering, Honors**, *University of Houston*, Houston, Texas
2022–2024	**A.Sc. in Mathematics**, *San Jacinto College*, Houston, Texas
	Modified Early College Academy Graduate
2020–2024	**High School Diploma**, *Crosby High SChool*, Crosby, Texas
	Distinguished Achievement

Skills & Competencies

Programming	Python (PyTorch), R, MATLAB, & HTML
Tools	LaTeX, Mathematica, Excel, Git, & Tableau
Coursework	Numerical Analysis, Partial Differential Equations, Advanced Linear Algebra, Matrix Theory, Number Theory, Probability

Experience

Work

August 2023 - Present	**Peer Mathematics, Statistics, and Science Tutor**, *San Jacinto College, Student Success Center*, Houston, Texas, 12 hrs/week
	Calculus, Differential Equations, Linear Algebra, Statistics, Physics, Chemistry, Biology
August 2024 - May 2025	**General Chemistry I and II Supplemental Instructor**, *San Jacinto College, Department of Natural Sciences*, Houston, Texas, 10 hrs/week

Projects, Papers, and Research

Spring 2026	**Research in Graph Neural Networks**, *University of Houston*, Houston, Texas, Advisor: Dr. Therese Wu
	Provost's Undergraduate Research Scholarship
Fall 2024	**Ordinary Differential Equations Honors Project**, *University of Houston, Honors College*, Houston, Texas, Advisor: Prof. Charles Puelz
	Honors Credit Petition
Spring 2025	**What is a Hole? – Topology Directed Reading**, *University of Houston, Mathematics Department*, Houston, Texas, Advisor: Marco Campos, Graduate Student
	Directed Reading Program

Activities, Organizations, and Extracurriculars

Student Organizations

- **President**, Cougar Mathletics (Fall 2024–Present)
- **Member**, Honors Ambassadors (Fall 2024–Present).

○ **President**, The Mathematics Club at San Jacinto College (Fall 2022 – Spring 2024).

Professional Societies

○ **Member**, Society of Industrial and Applied Mathematics (Spring 2025–Present).
○ **Member**, Institute of Electrical and Electronics Engineers (Fall 2024–Present).

Competitions

○ **Participant**, SCUDEM IX 2024 Mathematical Modeling Challenge. Meritorious Award.
○ **Participant**, SCUDEM X 2025 Mathematical Modeling Challenge. Meritorious Award.
○ **Participant**, 85th William Lowell Putnam Mathematical Competition.
○ **Participant**, 86th William Lowell Putnam Mathematical Competition.
○ **Participant**, American Mathematical Association of Two-Year Colleges Student Mathematics League Competition (December 2023–February 2024).

Seminars and Conferences

○ **Presenter**: Mathposium 2024, University of Texas at Dallas (November 2024).
○ **Presenter**: Directed Reading Program Colloquium, University of Houston SIAM Chapter
○ **Attendee**: UH - LSU - TAMU Undergraduate Mathematics research Conference, University of Houston (March 2025).
○ **Attendee**: Texas Algebraic Geometry Symposium, Texas A&M (March 2025).
○ **Volunteer**: University of Houston Undergraduate Research Day, University of Houston (April 2025).

Community Service

○ **Founder**: Crosby Association of STEM Excellence
○ **Volunteer**: Churches United In Caring
○ **Volunteer**: University of Houston Honors Peer Advisor

Honors and Accolades

Honors

○ **2×Meritorious Award**, SIMIODE (2024, 2025).
○ **San Jacinto College Honors Achievement Award**, San Jacinto College (May 2024).

Scholarships

○ **Provost's Undergraduate Research Scholarship**, University of Houston Office of Undergraduate Research & Major Awards (2026).
○ **Jared Jamail Memorial Scholarship**, Jared Jamail Memorial Fund (2024–2027).
○ **Highlands Rotary Club Scholarship**, Highlands Rotary Club (2024–2028).
○ **Academic Excellence Scholarship**, University of Houston Honors College (2024–2028).
○ **William Randolph Hearst Endowed Scholarship**, University of Houston Honors College (2024–2028).
○ **Cougar Promise Scholarship**, University of Houston (2024–2028).