

Nathan R. Perez

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Education	The University of Texas at Dallas Bachelor of Science, Computer Science.	2022 – 2025
Research Experience	ACM Research Participated in a semester long research project <i>Using adversarial Attacks to Deceive Political disinformation Models on Twitter.</i>	2023
	Physics Research Lab at UTPB with Dr. Young Worked with Dr. Young on physical simulation problems, writing in python. NumPy, Matplotlib and other libraries were utilized for the creation of Physical simulations.	2022
Work Experience	Tyler Technologies Designed and implemented full stack overhaul to existing React JS app vital to management of department. Overhaul included significant changes to SQL Database, UI improvements with Material UI, and changes to Javascript code base.	2023
	The Tutoring Center <i>Mathematics & English Tutor.</i> Tutoring of 1 or 2 students per hour from the ages of 5 - 18 years old in English and Mathematics. English topics covered include but are not limited to grammar, phonics, comprehension, inference, vocabulary, essay writing and spelling. Mathematics topics tutored up to Algebra II.	2023
	Midland College <i>Peer Mathematics Tutor.</i> Taught and supported the development of mathematical skills in Remedial Math, Quantitative Reasoning, Math for Teachers I & II, Statistics, College Algebra, Trigonometry, Pre-Calculus, Calculus I and Calculus II. Responsible for one on one sessions and group instruction.	2022
	Private Tutor <i>Mathematics Tutor.</i> Coordinated with parents and students to find effective times for sessions. Worked with students from the ages of 11 - 20.	2021 - 2023
	Bush Tennis Center <i>Receptionist.</i> Keyholder responsible for running the Proshop alone during peak business hours. Additional responsibilities include the training of 35+ volunteers, managing of 17+ volunteers during events, and training of 5 Staff members.	2019 - 2022
Personal Projects	Personal Website Developed an open source Personal website using Bootstrap 5, CSS and HTML. Website consists of more than 300 lines of code. Various programming and creative projects are showcased using Bootstrap 5's card system.	2022
Grants	UTPB Undergraduate Research Grant (\$1,000) Received for research proposal on <i>Using EOG and EEG readings to move a computer mouse.</i>	2022
	UTPB Undergraduate Research Grant (\$1,000) Received for research proposal on <i>A Django web Application for the visualization of oil wells creation and plugging in the Permian Basin.</i>	2022
Scholarships	UTD Transfer Scholarship (\$1,500)	2023

Awarded for transferring with a 4.0 GPA.

UTD Phi Theta Kappa Transfer Scholarship (\$500)

2023

Awarded for transferring with a 4.0 GPA.

UTPB Transfer Elite Scholarship (\$1,250)

2022

Awarded for transferring with a 4.0 GPA.

Midland College Legacy Scholarship (\$2,000)

2021 - 2022

Volunteered 40+ hours at various non-profits in Midland Texas per semester while maintaining a 4.0 GPA to stay competitive in the program.

Community Service

I-20 Wildlife Preserve & Jenna Welch Nature Study Center

2020 - 2022

Led group of 15 volunteers. Keyholder responsible for opening and closing the preserve. Maintained the walkability and appearance of the preserve through the pruning of plants, removal of debris, mulching of trail, and watering of plants.

Friends of the Library

2021 - 2022

Used knowledge of classics, philosophy, and art history to simplify and organize shelves. Informed patrons on books. Identified expensive items of interest to the bookstore.

Lone Star Sanctuary for Animals

2021

Washing of dog bowls and related equipment. Cleaning of dog areas.

Recording Library of West Texas

2021

Recorded newspapers, books, and misc articles for those who are blind.

George Bush Childhood Home

2020

Provided tours of the historic presidential home.