

# Grace Reed

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(903)886-5959

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## Education

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University of Texas at Arlington (UTA) BS Mathematics with a minor in Spanish; GPA 3.08	Arlington, TX Fall 2023
Tarrant County College Computer Programming with a focus on C++; GPA 3.64 – Completed all requirements	Fort Worth, TX 2019-2020
University of North Texas Interior Design and Mathematics before transferring to UTA	Denton, TX 2013-2015

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## Work Experience

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USDA-ARS Apprenticeship Program The University of Texas at Arlington Research Assistant (ARS/NRCS)	Arlington, TX May-December 2023
<ul style="list-style-type: none"><li>• Research in developing a machine learning model aiming to quantify sheep behavior through computer vision techniques</li><li>• Utilized Convolutional Neural Networks (CNNs) to develop a model capable of distinguishing sheep from a diverse range of animals, employing image preprocessing, augmentation, and advanced classification algorithms using Python, Keras, and TensorFlow</li></ul>	
Research Assistant (ARS)	June-September 2022
<ul style="list-style-type: none"><li>• Research in implementing computer vision techniques to extract data from handwritten sugar cane historical records for digital filing</li><li>• Achieved between 98-99% accuracy with data detection for seedling reports in conjunction sugar cane documents</li></ul>	
STEM Program Instructor The University of Texas at Arlington with the Boys and Girls Club of America UTeach Intern	Arlington, TX September-December 2018
<ul style="list-style-type: none"><li>• Coordinated accelerated STEM program lessons for students third through eighth grade</li><li>• Maintained an active, hands-on learning experience for students</li></ul>	

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## Academic Experience

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Honor Societies	2017-
<ul style="list-style-type: none"><li>• <a href="#">The National Honor Society of Leadership and Success</a>, <a href="#">Golden Key International Honor Society</a>, <a href="#">Sigma Alpha Lambda National Honor Society</a></li></ul>	
President for Association of Women for Mathematics - University of Texas Arlington Chapter	2022-2023
<ul style="list-style-type: none"><li>• Responsible for scheduling and running meetings, booking speakers and rooms for meetings, representing AWM at events, serving as primary contact, overseeing the organization</li></ul>	
SURGE Scholarship Program	2021-2023
<ul style="list-style-type: none"><li>• Provides support programs, including career workshops, counseling, tutoring, and writing skill enhancement</li><li>• Faculty mentoring program as well as peer mentoring program</li><li>• Industrial mentoring program draws on the expertise and experience of UT Arlington math alumni working at major corporations in the Dallas/Fort Worth (DFW) area.</li></ul>	
NASA Community College Aerospace Scholars (NCAS)	2019-2020
<ul style="list-style-type: none"><li>• Selected to attend online onsite workshop for NASA</li><li>• Served as Project Manager of a simulated Mission to Mars competition, resulting in 100% mission success</li><li>• Engaged in team building exercises and networked with professional representatives from NASA</li><li>• Awarded MVP for the team by the team's professional mentor</li></ul>	