

ANTHONY LESTONE

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EDUCATION

Ph.D. in Nuclear Physics <i>Texas A&M University</i>	Expected 2028 GPA 4.0
B.S. in Physics <i>Texas A&M University; Minors in Mathematics and Computer Science</i>	2021-2024 GPA 3.609

EXPERIENCE

Graduate Research Assistant <i>Texas A&M Cyclotron Institute</i>	2024 – Present College Station, TX
Undergraduate Research Assistant <i>Texas A&M Cyclotron Institute</i>	2023, 2024 College Station, TX
<ul style="list-style-type: none">– Developed new voltage signal algorithms, increasing particle ID accuracy– Built C++ simulations to test experimental setups	
Undergraduate Intern <i>Los Alamos National Laboratory</i>	2021, 2022 Los Alamos, NM
<ul style="list-style-type: none">– Developed simulations featured in a Physical Review Letters publication– Processed 10M+ point datasets from CERN LHC using custom scripts– Built Geant4/C++ models of subatomic particle atmospheric decay– Worked in lab on detectors and cooling systems	

TECHNICAL SKILLS

Programming Languages: C++, Python, Java

Physics Software: Geant4, ROOT, SRIM, PYTHIA8

VOLUNTEER WORK

DEEP Program Mentor <i>TAMU DEEP Program</i>	2024–Present
<ul style="list-style-type: none">– Mentor a team of 14 undergraduates in the design of the Giant Muon Detector demonstration for the TAMU Physics Festival	
Science Bowl Moderator <i>Texas A&M Regional Science Bowl</i>	2023, 2025
<ul style="list-style-type: none">– Read questions for the Science Bowl, a question-and-answer based competition for high schoolers– Ensured that competition rounds ran on schedule, directed a team of undergraduates to ensure that each round went smoothly– Acted as a scientific judge in the case of competitor challenges to the accuracy of a question	
Physics Festival Volunteer <i>TAMU Physics Festival</i>	2022
<ul style="list-style-type: none">– Supervised several physics demonstrations, engaged with community attendees, and explained physics concepts to children and adults	
Science Fair Judge <i>Texas Science and Engineering Fair</i>	2022
<ul style="list-style-type: none">– Judged projects in the high school chemistry division on the basis of scientific rigor, experimental success, and quality of presentation	
Science Bowl Mentor <i>Los Alamos High School</i>	2021–2024
<ul style="list-style-type: none">– Prepared a team of 5 high school students for competition by reading practice questions, assisting in studying, and providing learning resources	