## **Zachary Bottorff**

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Education Texas A&M University – College Stat			May 2023	
•	putational Science Track; Mathematics	minor	GPA: 4.0	
Honors Texas A&M University Honors Fellov	87	Departmental Honors		
		Undergraduate Researc	ch Scholar	
		President's Endowed S		
Technical Skills				
C/C++	Fortran (77, 95)		LaTeX	
Python	Machine Learning (PyTorch)	ROO	Г (by CERN)	
Research Experience				
Undergraduate Research Scholars P				
Undergraduate Research Scholar			Aug 2022 – May 2023	
	Professor of Physics and Astronomy			
-	and give public presentation of research		ing	
<ul> <li>Adapt preexisting machin</li> <li>Department of Physics &amp; Astronomy</li> </ul>	ne learning code to grayscale images and <b>v.</b> TAMU	d identify future steps		
Student Assistant (30 hours/week)			June 2022 – Aug 2022	
	Professor of Physics and Astronomy		C	
	tations and studied contemporary researce	ch on Raman spectroscopy		
	ith graduate students and faculty for 2-w		e Camp	
	students concepts such as radio circuits			
Undergraduate Student	L		Jan 2022 – May 2022	
	ssistant Professor of Physics and Astron	lomy	•	
• Analyzed data from 5 sca	attering experiments using CERN's ROO	OT software to identify discre	epancy	
Other Relevant Experience Discover, Explore, and Enjoy Physic	rs and Engineering (DEEP). TAMU			
Undergraduate Student			Sept 2021 – May 2022	
	ergraduates led by graduate to construct		oopo 2021 1110 2022	
Camp Classen, YMCA of Greater Ok		F)		
Cabin Counselor (seasonal)			June 2021 – July 202	
• Supervised up to 14 mide	dle school boys at a time, day and night,	for 5 weeks with partner	•	
	s archery, soft skills such as conflict res		oment	
Honors Housing Community Studen				
Sophomore Advisor			Aug 2020 - May 202	
• Facilitated discussion in	weekly 1-hour seminar class for 9 to 14	college freshmen		
<ul> <li>Created and implemented</li> </ul>	d social and academic events for over 35	50 freshmen with 26 student l	eaders	
<ul> <li>Served as liaison between</li> </ul>	n freshmen and LAUNCH staff			
Consumer Direct Care Network Tex	xas, Allen, TX			
Caretaker (as needed)			June 2019 – Jan 2021	
Provided respite care and	l companionship for peer with disability			
Volunteering				
<b>Pioneers Friday Church,</b> Bryan, TX				
Counselor		:	Sept 2021 – April 2023	
	s part of team for 3 hours each week			
	ns and present curriculum to about 4 boy	ys in 6 <sup>th</sup> – 11 <sup>th</sup> grade		
Brazos Valley Food Bank, Bryan, TX	K			
Volunteer			Sept 2021 - Nov 202	
• Inspected and organized	food donations with team for 4 hours pe	er month		
Activities				
University Honors Program, TAMU			Aug 2019 – May 2023	
Society of Physics Students, TAMU,	Member		Nov 2021 – Dec 2022	
Impact Retreat TAMU Counselor			Feb 2020 – Sept 2020	

Impact Retreat, TAMU, Counselor

Nov 2021 – Dec 2022 Feb 2020 - Sept 2020

972.822.7651