

William V. Jardee

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EDUCATION	Montana State University , Bozeman, MT <i>B.S., Summa Cum Laude</i> , Professional Physics Phi Kappa Phi Honors Society Minors in: Computer Science, Mathematics, GPA: 3.81/4.0 (Expected) May 2022
TECHNICAL SKILLS	Languages: Python, Java, C/C++, Matlab, Mathematica, GitHub, LaTeX, HTML, CSS, Excel Mathematics: Linear Algebra, Dynamical/Chaotic Systems, Computation Theory, Index/Einstein Notation Physics: Particle Physics, Observational Astronomy
TEACHING EXPERIENCE	Hillman Scholars Tutor <i>Allen Yarnell Student Success Center, Montana State University, Bozeman</i> Educated underprivileged college students in introductory math, physics, computer science, and humanities courses. July 2021 - Present Math Stats Center Tutor <i>Mathematics Department, Montana State University, Bozeman</i> Guided students to discover their own answers and understanding in classes ranging from introductory algebra to differential equations. Aug 2021 - Present Proctor/Grader (PHSX 207) <i>Physics Department, Montana State University, Bozeman</i> Graded weekly homework and exams of algebra based introductory physics course. Jan 2021 - May 2021 Student Lab Assistant (PHSX 205) <i>Physics Department, Montana State University, Bozeman</i> Guided students of the introductory physics course through kinematic labs during a weekly lab. Aug 2020 - Nov 2020 Smarty Cats Tutor <i>Allen Yarnell Student Success Center, Montana State University, Bozeman</i> Made and personalized appointments with student to cover essential STEM topics. Aug 2019 - May 2020 Volunteer STEM Tutor <i>The Rock Youth Center, Bozeman, MT</i> Held open tutoring hours for high school students who struggle in STEM subjects. Oct 2019 - March 2020
RESEARCH EXPERIENCE	Undergraduate Researcher <i>Dr. John Sample's Lab, Montana State University, Bozeman</i> Analyzed the performance of a soft x-ray spectrometer to be attached to the IMPRESS CUBE-SAT. Aug 2020 - Dec 2020 Undergraduate Researcher <i>Dr. Rufus Cone's Lab, Montana State University, Bozeman</i>

	Studied the theory behind and attempted to use an ellipsometer to measure the thickness of thin wafers.	<i>Jan 2020 - Apr 2020</i>
MISC EXPERIENCE	SPS Treasurer <i>Society of Physics Students at Montana State University, Bozeman</i> Handled club finances and lead many efforts in stirring interest in science communication and computational physics. <i>Feb 2020 - Jan 2022</i>	
	Advanced Physics Lab <i>Instructed Course, Montana State University, Bozeman</i> Used sophisticated particle trapping apparatuses and computational methods to measure the mass of picogram scale particles. <i>Aug 2021 - Dec 2021</i>	
AWARDS/ GRANTS	Physics Departmental Scholarship <i>Norman Mac Rugheimer Scholarship</i> <i>Asbridge Physics Scholarship</i> Montana University Systems Scholarship Bertha Feaster Scholarship	<i>Aug 2021, Jan 2022</i> <i>Aug 2020</i> <i>May 2018</i> <i>May 2018</i>
POSTERS/ PRE-SENTATIONS	SPS Undergraduate Colloquium <i>RREA Propagation Theory</i> <i>The Better Poster Design</i> <i>Teaching Yourself Computer Languages</i> <i>Introduction to Python</i> <i>The Basics of Climate Physics</i>	<i>Oct 2021</i> <i>Feb 2021</i> <i>Feb 2021</i> <i>Feb 2021</i> <i>Sept 2020</i>
OUTREACH	Museum of the Rockies <i>Grossology</i> Society of Physics Students <i>Liquid Nitrogen Ice Cream</i> <i>Careers in Industry Panel; Moderator</i>	<i>Oct 2021</i> <i>Oct 2021</i> <i>Mar 2021, Oct 2020</i>