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| **Alexandria** Wilson  (229) 563-7483  Email: wilson.agrace@ufl.edu |
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# Experience

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| **August 2024 – Present**  **Physics learning assistant,** Dr. Krishna I assist students in understanding fundamental physics concepts and problem-solving techniques. I lead group discussions and collaborate with professors to enhance student learning and engagement. **May 2024 – Present**  **UNIVERSITY Scholar,** Chemotherapy induced heart failure project I am investigating the mechanisms of heart failure caused by chemotherapy drugs by methods of echocardiography and histology. I am personally troubleshooting experimental issues and refining protocols.JANUARY 2024 – PresentStudent Observer, dr. bleiweis Dr. Bleiweis is a highly sought out and widely respected congenital heart surgeon at Shands. He will be mentoring me and allowing me to observe his open-heart surgeries. In addition to the science, this experience is teaching me about the art of surgery — how to perform under pressure and lead a team. August 2023 – PRESENTMath and English volunteer Tutor, PINE RIDGE Pine Ridge is an underserved neighborhood in Gainesville. Building close friendships with and watching the kids grow has undoubtedly been one of the most meaningful aspects of my undergraduate experience thus far.  **May 2023 – August 2023**  **Medical assistant,** dr. shores  I worked as a medical assistant in a spine and neuro pain clinic. I was trained to assist Dr. Shores during everyday appointments as well as in the OR. I developed patient care and clinical operation skills through my daily interactions and OR support.  **December 2022 – December 2023**  **Emerging Scholar,** Cancer Immunotherapy PROJECT  I received a scholarship to lead my own project on the utility of REV-ERB (a type of nuclear hormone receptor) ligands in cancer immunotherapy. In completing this project, I learned flow cytometry, cell culture, qPCR, and more. I presented my poster at the undergraduate research symposium, and my paper is published in the latest issue of the Journal of Undergraduate Research. October 2022 – PresentVolunteer researcher, The Burris Lab The research at The Burris Lab focuses on targeting nuclear hormone receptors to treat a broad range of diseases such as autoimmune diseases, cancer, cardiovascular diseases, and behavioral disorders. I started in the lab having no research experience and have now achieved several certifications and skills.  August 2o22 – May 2023Hopsital volunteer, HCA Florida north florida I volunteered in the postpartum unit where I interacted with new moms and ensured their comfort. |

# Education

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| **CURRENT SOPHOMORE**  **UNIVERSITY OF FLORIDA**  My University of Florida GPA is 3.98 High School GraduateNorth Bay Haven I graduated in the top 4% of my class with a 4.53 weighted GPA and a 4.00 unweighted GPA. | |
| Activities  * I am a private pilot in training. * I volunteer for an organization called Pine Ridge Kids Church — Supporting efforts in the same neighborhood as tutoring. * I am a certified open water diver. I am also Nitrox certified. |  | |

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