

Education

2021–2025 University of Idaho—B.S. Physics

Research

2024–Present *Supervisor: Andreas Vasdekis*
Investigating applications of Optical Thermodynamics in imaging and the use of non-Gaussian beams in TIRF microscopy. Acquired experience with laser alignment and rudimentary beam profiling techniques.

2021–Present *Supervisor: Zachariah Etienne*
Developed various scripts for the manipulation and visualization of numerical relativity simulation data. Currently collaborating to optimize code for longevity and performance.

2023 *Summer Research Assistant | Supervisor: Zachariah Etienne*
Developed and documented a framework for visualizing GRMHD simulation data and extended BBH visualization methods. Gained proficiency in Unix, Git, Python and Jupyter.

Skills

Unix, Git, Python, 3D Printing, and novel Electronic Systems Development

Affiliations

2024–Present **Student Member**, Institute of Electrical and Electronics Engineers (IEEE)

2024–Present **Student Member**, Society of Photo-Optical Instrumentation Engineers (SPIE)

References

Dr. Zachariah Etienne, Associate Professor of Physics, University of Idaho
Email: zeticienne@uidaho.edu

Dr. Andreas Vasdekis, Associate Professor of Physics, University of Idaho
Email: andreasv@uidaho.edu