

Subhayu Bagchi

CONTACT INFORMATION	204 Lewis Hall University of Mississippi University, MS 38677-1848 USA	sbagchi@go.olemiss.edu 1-662-801-3287
EDUCATION	Ph.D., Physics , University of Mississippi Dissertation Advisor: Prof. Leo C. Stein Dissertation Title: <i>Numerical Simulations beyond General Relativity (tentative)</i>	in progress
	M.S., Physics , Indian Institute of Science Education and Research, Kolkata	June 2019
	Thesis Advisor: Prof Soumitro Banerjee Dissertation Title: Nonlinear Dynamics of Geodesics in Kerr spacetime	
	B.Tech., Electronics and Comm. Engg. , W.B. University of Technology	June 2015
	Senior Thesis Title: Improved Sampling methods in Voice Recognition Algorithms	
EMPLOYMENT	Liberal Arts Graduate Scholar , UM, Oxford, MS USA	Fall 2019 – Spring 2024
	Graduate Research Assistant , UM, Oxford, MS USA	Fall 2025 – Present
	Graduate Teaching Assistant , UM, Oxford, MS USA	Fall 2024 – Spring 2025
	Graduate Teaching Assistant , IISER, Kolkata, India	Fall 2017 – Fall 2018
	Summer Research Fellow , UM, Oxford, MS USA	May – July 2024/2025
RESEARCH INTERESTS	General relativity (GR), gravitation	
HONORS AND AWARDS	Liberal Arts Graduate Scholar , College of Liberal Arts, University of Mississippi,	2019 – 2024
	Academic Excellence Fellowship , University of Mississippi,	2019 – 2023
	Graduate Student Academic Fellowship , IISER Kolkata,	2015 – 2019
	Excellence in Community Engagement Award, with Distinction , Division of Access, Opportunity and Community Engagement, University of Misissippi,	2025

Excellence in Community Engagement Developement Award,
 Division of Diversity and Community Engagement,
 Univeristy of Mississippi,

2024

**TEACHING
EXPERIENCE**

Teaching Assistant, University of Mississippi	
Astr. 103, Intro Astronomy of Solar System	Spring 2025
Phys. 722, Graduate Electromagnetism II	Fall 2024
Phys. 224, General Physics II	Spring 2020
Phys. 223, General Phsyics I	Fall 2019

Teaching Assistant, IISER Kolkata

Ph. 3102, Intermediate Quantum Mechanics	Fall 2018
Ph. 3202, Intermediate Electricity and Magnetism	Spring 2018
Ph. 3204, Electronics Laboratoy	Fall 2017
Ph. 2202, Thermal Physics	Springs 2017

**PROFESSIONAL
ACTIVITIES,
OUTREACH, AND
SERVICE**

LISA Consortium, Full member	2023 – Present
Simulating eXtreme Spacetimes collaboration	2019 – Present
American Physical Society, member	2019 – Present

Conference organizer

11th Gulf Coast Gravity Meeting (GCGM), UMiss	April 2025
Two day conference, ~ 50 participants	

Seminar organizer

Gravity Group seminar, University of Mississippi,	Fall 2020 – Spring 2022
Journal Club, Dept of Physics and Astronomy, UM	Fall 2020 – Spring 2022

Outreach

COMPUTER SKILLS **Software—**

REFERENCES