

Sean E. Li

 sean.li@columbia.edu

EDUCATION

Columbia University

Doctor of Philosophy in Physics

New York, NY

EGD May 2029

Bowdoin College

Bachelor of Arts in Physics; Minor in Mathematics

Brunswick, ME

High Honors in Physics

May 2023

PUBLICATIONS

S. E. Li, Properties of Slicing Conditions for Charged Black Holes, Bowdoin College, Honors Projects, 438 (2023).

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Dynamical perturbations of black-hole punctures: Effects of slicing conditions, Phys. Rev. D **107**, 064003 (2023).

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Bona-Massó slices of Reissner-Nordström spacetimes, Phys. Rev. D **106**, 104049 (2022).

PRESENTATIONS AND POSTERS

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Dynamical perturbations of black-hole punctures: Effects of slicing conditions, Eastern Gravity Meeting, University of Rhode Island, Kingston, RI, June 2023.

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Dynamical perturbations of black-hole punctures: Effects of slicing conditions, American Physical Society April Meeting, Hilton Minneapolis, Minneapolis, MN, April 2023.

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Bona-Massó slices of Reissner-Nordström spacetimes, President's Summer Research Symposium, Bowdoin College, Brunswick, ME, October 2022.

AWARDS AND FELLOWSHIPS

Bowdoin College

American Association of Physics Teachers Outstanding Learning Assistant Award

Brunswick, ME

May 2023

Bowdoin Faculty Scholar Award

May 2023

Student Faculty Research Grant Fellowship

May 2022

Sarah and James Bowdoin Scholar Book Award

Oct. 2020

TEACHING AND MENTORING

Columbia University Academic Success Programs

Summer Bridge Program Physics Instructor

New York, NY

Jul.–Aug. 2023

Baldwin Center for Learning and Teaching

Learning Assistant for Introductory Physics II

Brunswick, ME

Feb. 2022–May 2023

McKeen Center for the Common Good

Brunswick High School Mentoring

Brunswick, ME

Oct. 2019–May 2023

PROFESSIONAL AND WORK EXPERIENCE

Bowdoin College Department of Physics and Astronomy

Grader, Statistical Physics

Brunswick, ME

Jan.–May 2023

Grader, Introductory Physics II

Sep. 2022–May 2023

Physics Communication Assistant

Sep. 2022–May 2023

Faculty Search Student Interviewer

Nov.–Dec. 2021

Bowdoin College Dining Service

Magee's Grill Assistant

Brunswick, ME

Jan.–May 2023

Café Student Manager

Sep. 2022–May 2023

Café Assistant

Feb.–May 2022

Riverside Research Institute

Sys. Engineering Summer Intern

Lexington, MA

Jun.–Aug. 2021

SW Engineering Summer Intern

Jun.–Aug. 2019, May–Aug. 2020