

# Sean E. Li

 [sean.li@columbia.edu](mailto: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 & 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 & 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 & MENTORING

---

### Columbia University Graduate School of Arts & Sciences

Teaching Assistant, General Physics II Lab

New York, NY

Feb. 2024–present

Teaching Assistant, General Physics I Lab

Sep. 2023–Dec. 2023

### Columbia University Academic Success Programs

Physics Help Room Instructor

New York, NY

Jan. 2023–present

Summer Bridge Program Physics Instructor

Jul.–Aug. 2023

### Baldwin Center for Learning and Teaching

Learning Assistant, 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 & 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

Systems Engineering Summer Intern

Lexington, MA

Jun.–Aug. 2021

Software Engineering Summer Intern

Jun.–Aug. 2019, 2020