
Ilana Bromberg

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Education

Stony Brook University, Stony Brook, NY
Bachelor of Science, May 2020
Women in Science and Engineering Honors
Program (WISE)
Majors: Physics, Astronomy
Minor: Art History
GPA: 3.62

Awards

Presidential Scholarship — full academic scholarship to Stony Brook University. 2016-2020.
College of Arts & Sciences Dean's Excellence Scholarship - \$1000 merit-based scholarship. 2016.
WISE Mentor of the Year - Service award for mentorship in the WISE program. 2020.

Academic Honors

Dean's List — All Semesters
Cum Laude Distinction
Departmental Honors in Physics

Research Experiences

Research Experience for Undergraduates (REU) through Columbia University - Radiological Accelerator Research Facility (RARAF) — Shielding Modelling for Mouse Irradiation Experiments. Nevis Labs, Irvington, NY. Summer 2019.

Science Undergraduate Laboratory Internships (SULI) — Electron Beam and Laser Diagnostics at the Accelerator Testing Facility (ATF). Brookhaven National Labs, NY. Fall 2020

Academic Presentations

Shielding Modelling & Verification for Controlling Neutron Dose during Mouse Irradiation. (January 19, 2019). Conference for Undergraduate Women in Physics. Temple University. Philadelphia, PA.

Relevant Skills

Software & Coding

Python, Java, C++, Fortran/Monte-Carlo N-Particle Software, Bash

Github, CST, Microsoft Excel, Matlab

Very comfortable analyzing data & error calculations

Outreach & Tutoring

Public speaking and science communication from Alan Alda Center for Communicating Science

Console Operator & Astronomy Educator at the Vanderbilt Planetarium in Centerport, NY

Physics and Math Tutoring at High School and University Level

Misc.

Mandarin Chinese (intermediate)