



SOPHIE GINSBERG-HAYES

EDUCATION

BROWN UNIVERSITY- PROVIDENCE, RI | Expected Graduation May 2024

- Double Major in Mechanical Engineering and Religious Studies, GPA: 3.71/4.0

SEATTLE ACADEMY OF ARTS AND SCIENCES - SEATTLE, WA | Graduated June 2020

- High Honor Roll all four years, GPA: 3.93/4.0

LEADERSHIP

SITE DIRECTOR | Girls Rock Math | 2020 and 2022

- Ran specific summer camp sites and took responsibility for everything from campers' safety to creating schedules and organizing counselors.
- Met daily with teachers, assistant site directors, administrative staff, counselors, counselors in training, campers, and parents to ensure camp was successful in meeting goal of empowering girls in STEM.
- Handled all logistics to ensure campers had a safe and fun summer and came away confident in math.

ROBOTICS MENTOR | The Wheeler School | 2021-

- Mentored high school students and coached all aspects of F.I.R.S.T. robotics competition focusing on teaching engineering concepts and mechanism design.
- Helped students think critically and problem solve using concepts learned in school to design a robot that completed a given set of challenges.

ENGINEERING MENTOR | Brown University, Brown Design Workshop | 2021-

- Worked as Teaching Assistant in the Brown Design Workshop for the intro to engineering class at Brown University.
- Worked through the design process and projects with groups of 4 first-year engineering students.
- Passed on what I have learned and got first-year students excited about engineering, machining, and design.

STEM TUTOR | 2020-

- Tutored K-10 students in math and chemistry.
- Supplemented schoolwork so that students grew and felt stronger in STEM skills.

OTHER WORK EXPERIENCE

LAB INTERN | Brown University, Naik Lab | 2021

- Ran a protein purification project that investigated the interaction of CaM and a binding site on a drug in development. Learned how to run my own project.

LAB INTERN | Fred Hutchinson Cancer Research Center, Torok-Storb Lab | 2020

- Conducted a colony assay project for cancer research. Specifically studied the viability of fresh and frozen canine blood cells for cancer research.

HIGH SCHOOL SUMMER RESEARCH INTERN | Fred Hutchinson Cancer Research Center, Walter Lab | 2019

- Conducted an RNA sequencing project which investigated the viability of CD33 protein as a target for an Acute Myeloid Leukemia antibody treatment. At the end of the internship, presented findings at summer research symposium

ACTIVITIES

SOCIETY OF WOMEN ENGINEERS EXECUTIVE BOARD MEMBER | 2020-

- Joined as an executive board member my first year at Brown University.
- Planned events and helped foster an empowering and supportive community for female-identifying engineers on campus.
- Next year will be Vice President handling finances and growing the S.W.E. legacy at Brown University.

ACTIVE BROWN/RISD HILLEL MEMBER | 2020-

- Joined multiple Jewish learning groups including Narrow Bridge Project Cohort and Jewish Learning Fellowship to discuss Jewish life and learning.

F.I.R.S.T. ROBOTICS | Competed in F.I.R.S.T. Tech Challenge and F.I.R.S.T. Robotics Challenge | 2016-2020

- Competed all four years of high school and was team captain for three years. Selected to be one of 150 Dean's List Finalists out of thousands of competitors.
- Led teams as small as 8 to as large as 45 people. Also taught machine skills and how to design and build parts. Team awards: Think Award at World Championships; FRC Rookie Allstar and Second Seed Alliance at Districts.

PERSONAL

Born in Chongqing, China • Grew up in Seattle, WA • Love hiking, backpacking and bouldering • Avid baker • NYT spelling bee fanatic



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