

Daphne Qin

Freshman at Rice University who is passionate about the intersection between medicine and technology. Conducted neuroscience-related cancer research at Memorial Sloan Kettering and am familiar with basic wet lab procedures. Co-founder of a biology-centric tutoring service which reached over three-fourths of the freshman class every year.

Address

9 Sunset Blvd
Houston, TX 77005

Phone

(347) 348-1281

Email

daphne.qin@rice.edu

Education

Rice University, Houston, TX

Aug 2023 - May 2027

Stuyvesant High School, New York, NY

Sep 2019 - Jun 2023

STUYVESANT DIPLOMA, GPA: 95.75/100

- **Awards:** Certificate for Excellence in Technology Education
- **Advanced Placement Classes:** Physics C Mech, E&M; Psychology; Calculus BC; Computer Science A; Spanish Language; Chemistry; Biology (all 5)
- **Honors Courses:** Multivariable Calculus (99/100), Physics (98/100), Precalculus (98/100), Algebra (98/100), Geometry (92/100)

Experience

HOPP Program at Memorial Sloan Kettering Cancer Center, New York, NY

Intern at Boire Lab

Jul 2022 - Aug 2022

- Conducted research on the behavior of leptomeningeal metastasis under the supervision of Dr. Freret and Dr. Boire (Principal Investigator):
 - Selected chemicals for cell culture hypoxia/normoxia experiments.
 - Prepared anesthesia chamber in preparation for mice imaging.
 - Assembled mice brain slides.
- Presented research at an open house at the end of the summer.

Freshman AP (FRAP) Tutoring, New York, NY

President - Program Coordinator

Jun 2022 - Aug 2023

Represent FRAP Tutoring and collaborate with AP teachers and tutors to promote tutoring for all freshmen.

- Directed and hired administration team.
- Organized and examined one-on-one and group review sessions.
- Officially validated volunteer hours with school administration.

Co-founder & Administrator - Director of Marketing and Graphic Design

Sep 2020 - Jun 2022

Work to provide tutoring for all AP freshmen courses within Stuyvesant High School.

- Connected with AP Biology teachers to coordinate group review sessions attended by 60+ students each session.
- Designed flyers to promote FRAP and recruit tutors and tutees.
- Managed volunteer hours and created volunteer hour certificate graphics.

Stuyvesant/NYC Math Team, New York, NY

Sep 2019 - Jun 2023

DMI Media & Technology Committee Leader

Oct 2022 - Dec 2022

Coordinated team in designing shirts and sticker designs for school-hosted math competition; arranged distribution to 31 teams from across NYC.

Yellowstone Ecology Project, Yellowstone, MT

Field Intern

Jun 2021 - Jul 2021

Conducted field work with a group of 15 students from across the country to contribute to Yellowstone conservation efforts.

- Conducted bison surveys to contribute to the bison census and samples to study their migration and eating patterns.
- Gathered on-site data using bison and wolf telemetry, and bear surveys.
- Contributed to stopping the spread of invasive species.
- Earned an A with college credit, along with 35 hours of volunteer experience.

Skills

Graphic Design

Created the adopted designs for:

- **FRAP Tutoring:** logo, infographics, certificates
- **DMI 2022:** T-shirt, stickers (own design + commissions)
- **DMI 2021+:** T-shirt (by invitation)

Programming

Languages: Java, Python 3

Languages

- **English:** native proficiency
- **Chinese:** limited working proficiency
- **Spanish:** limited working proficiency

Achievements

Math Team

- **AIME II 2022**
- **HMMT November 2022**
- **ARML 2020-2022**
- **NYSML 2021:** 4th in state
- **Stevens Institute of Technology Olympiad 2020:** 2nd place (9th-10th grade division)
- **MATHCON Nationals:** Honorable Mention

Schoolhouse.world Top Tutor

One of 20 selected from the June Bootcamp tutors, out of 1,000 total.

MetroHacks Women NYC Hackathon

Won third place in the Health division for Safe Nap, an app and device coded in Android Studio that tracks the sleeping patterns of babies.

Hobbies/Interests

Neuroscience

Enjoy learning about neuroscience, particularly neurodevelopment, including its genetic influencers and treatment. Conducted research at the Boire Lab at MSKCC. Would like to explore neurotechnology.

Rubik's Cubing

Own a collection of 59 Rubik's cubes, and place emphasis on collecting and algorithm development.