

Sarene Choudhury

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Highly motivated high-school student with strong background in science and mathematics, and with excellent work ethic and creative abilities. Seeking to apply my computer, data-analysis, and problem-solving skills as a summer intern.

EDUCATION

Horace Mann School, New York, NY. *Sophomore, Class of 2023*

- Relevant Coursework:
 - Honors Geometry, Honors Algebra II & Trigonometry, Computer Science 1 & 2, Mobile App Development, Biology

Columbia University, New York, NY. *Academic-Year Immersion Program*

- Coursework:
 - **Entrepreneurship and Innovation: Changing the World via Venture Creation**, Spring 2021

Stanford University, Palo Alto, CA. *Pre-College Program*

- Coursework:
 - **Technology and the 2020 Election**, Fall 2020
 - **Introduction to Data Science B: Visualization and Modeling**, Summer 2020

Brown University, Providence, RI. *Summer Pre-College STEM Program*

- Coursework:
 - **Introduction to Computer-Aided Design and 3D Printing**, Summer 2020
 - **Building and Programming an LED Light Cube with Arduino**, Summer 2019

MAJOR ACHIEVEMENTS

- Created an ML model using R to forecast COVID-19 mortality in NYC, as final project at Stanford's Summer Program.
- Created a programmable LED light cube, as final project at Brown's 2019 Summer Pre-College Program.

AWARDS & HONORS

- Invited into Honors Math every year since 8th grade at Horace Mann
- Outstanding award at HoMMUNC, a global Model UN conference held at Horace Mann School, NY.
- Honorable Mention at CMUNCE, a global Model UN conference held at Columbia University, NY.

SKILLS

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| ▪ Java (high-school intermediate level) | ▪ Python (beginner's level) |
| ▪ R (beginner's level) | ▪ Machine Learning (introductory level) |
| ▪ Swift / Xcode (beginner's level) | ▪ Word, PowerPoint, and basic Excel |

INTERESTS

- Volunteer for GLAM – Girls Learning Advanced Math. Organization's mission is to teach math to middle-school girls.
- Volunteer for WISE – Women in Science and Engineering. Teach girls science at schools in the Bronx community.
- Member of Model UN Team at Horace Mann School.
- Published article for *The Review*, a current-events publication at Horace Mann School.
- Sailing enthusiast, having taken sailing instruction over 3 summers. Developed several key proficiencies.
- Enjoy learning about basic stock-market investing.
- Spanish – intermediate level proficiency.
- Avid reader of fantasy fiction. Enjoy cooking and sports.