

Shrey Sahgal
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Objective

A summer internship where I can apply my computer science and programming knowledge.

Education

Horace Mann High School, Bronx, NY; Class of 2020.
Finished Sophomore Year: Cumulative GPA 3.7
STEM GPA 3.9

Work/Volunteer Experience

Internship at State Senator Gustavo Rivera's office, Bronx, NY (2017).
Tutoring middle school children, Bronx, NY (2017-2018)

Honors and Awards

1st place at HackMann (Horace Mann Hackathon) (2017), Best Cybersecurity Hack at LewHacks (Francis Lewis High School Hackathon) (2017), 3rd place at HackTrin (Trinity School Hackathon) (2017), placed 57 out of 900+ high schoolers in PACTF (Phillips Academy CTF) (2017), 42nd out of 250 high schoolers in Halite.io (Two Sigma online AI competition) (2018), 2nd place at HackTrin (2018).

Relevant Coursework

Biology, Chemistry, Physics, Geometry, Algebra 2, Trigonometry, Computer Science.
A in all math, science, and computer science classes.

Skills

Proficient in Java, C++, Processing (including p5.js and Processing.py), Python; emphasis on algorithm analysis and increasingly machine learning (especially genetic algorithms and various types of neural nets).
Scientific Research and Mathematical Analysis.
Proficient Rocketeer; capable of designing and building composite solid-fuel engine.
Excellent writer, presenter of technical ideas, and mentor to younger students.

Extracurricular Activities

Co-head of Programming and Electronics, Horace Mann's varsity robotics team, Basement Lions #4326.
Member, Horace Mann American Computer Science League Team (which participated in ACSL Nationals three years running).
Member, Horace Mann Programming Club.
Member, Horace Mann Amateur Rocketry Club.
Presenter, Horace Mann Science and Technology Fair.
Member, Horace Mann Test of Engineering Aptitude, Mathematics, and Science team (1st in New York State).
Tutor, Horace Mann Saturday Morning Tutoring Program.
Mentor, Horace Mann Middle School FIRST Lego League Team, Basement Cubs #4538.
Mentor, Horace Mann Elementary School Robotics Program
Mentor, PS/MS 95 FIRST Lego League Team.
Setter, Horace Mann Varsity Volleyball Team.