

Stuyvesant Robotics

Stuyvesant High School

345 Chambers Street

New York, NY 10282

212-312-4800 ext.4500

www.stuypulse.com



Stuyvesant Robotics!

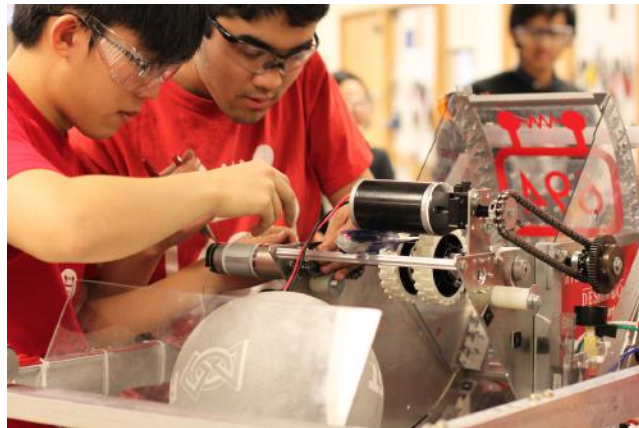


We are **StuyPulse**, Stuyvesant High School's award winning F.I.R.S.T. FRC robotics team. Otherwise known as **Team 694**, we seek to impact young adults by cultivating skills in engineering, programming, marketing, teamwork, and leadership through the F.I.R.S.T. competitions. F.I.R.S.T. (For Inspiration and Recognition of Science and Technology) is an international, nonprofit organization that promotes the spread of science and technology.

On average, a F.I.R.S.T. team will spend thousands of dollars in order to build their robot.

They use this money for registration fees, parts and pieces of the robot, materials needed to build, traveling expenses for the robot, and more!

In addition to funds, we are also looking for mentors who are specialists or hobbyists in engineering design, machine operation, programming, and marketing, who are willing to work with highly motivated students from NYC's most highly rated science high school!



We invite you to be a part of our endeavor to spread science, engineering, and technology!

Stuyvesant High School Robotics Team
(212) 312 4800 Ext. 4500
345 Chambers Street, Room 450
New York, Ny, 10282
www.stuypulse.com
info@stuypulse.com

Dear Potential Sponsor:

We are Stuyvesant High School's award-winning F.I.R.S.T. (For Inspiration and Recognition of Science and Technology) Robotics Team. F.I.R.S.T. is a **multi-national**, non-profit organization that promotes science and technology education; it partners with local businesses, educational institutions, and volunteer mentors to cultivate teamwork, strategic thinking, and community outreach skills in its participants.

F.I.R.S.T. introduces annual game challenges, giving teams participating in the Robotics Competition division six weeks, and those in the Tech Challenge division six months to design, build, and program robots. They compete at any of over ninety regional events and one international Championship Event, which we have qualified for every year since 2010, winning the Curie Subdivision this past year.

Stuyvesant is one of the most selective public high schools in the United States, with admission granted via competition examination to less than 5% of applicants. The F.I.R.S.T. Robotics program meshes seamlessly with the school's educational focus on science, math, and technology. Our team remains the largest organization at Stuyvesant with over one hundred members. Almost half of our team are females, and over two thirds of our team members are first generation Americans. The impact of this program can be seen in many of our alumni who continue to pursue higher STEM education at prestigious universities, and careers at tech corporations.

Though Stuyvesant is a school of bright and motivated students, it is subject to the very same funding restraints that affect all public schools in New York. Students and parents work hard to raise needed revenue by holding various fundraisers, whether it be book sales or bake sales, but that is still not enough for us to build our robot.

We would like to invite you to become a sponsor of our team; a list of sponsor benefits is enclosed. Please help us by aligning your corporation with our aspiration. Aside from monetary sponsorship, other forms of conation such as mentorship and purchase of equipments are also welcomed. We look forward to working with you.

Thank you for your time.
Sincerely,

Jonah Sachs-Wetstone
Stuyvesant H.S. '17
President of Engineering

Courtney Chiu
Stuyvesant H.S. '17
President of Marketing

Wilson Berkow
Stuyvesant H.S. '17
President of Software
Engineering

To Whom It May Concern:

It has been our privilege to serve as the faculty advisors for the Stuyvesant High School Robotics Team for the past fifteen years. Under our leadership, the team has grown from a small group of a dozen students to over one hundred dedicated future engineers and entrepreneurs (40% of which are female) responsible for all engineering, programming and marketing aspects of running the team.

We are a close-knit family of students, mentors, alumni and volunteer parents, bound together by a passion to create an environment where everyone has a role to play, whether it is building the actual robot or providing the necessary back-up support.

We have witnessed time and again the transformation of the lives of students who join the team early in their high school careers as shy individuals, unsure of how to fit into a team effort, and knowing nothing about power tools or the basic principles of physics. Three short years later, these same students are the ones taking leadership roles, speaking with authority on the subject of robotics and encouraging the newest members of the team to grasp the excitement of seeing our team grow and improve.

Each year we see an increasing number of team members choosing to pursue undergraduate and graduate studies in engineering, computer science, mathematics, physics and business at some of the top level schools in the country.

It is our hope and desire that you will assure that our program continues for the students of the future.

Thank you.

Rafael Colón
Faculty Advisor
Stuyvesant High School Robotics Team

James Lonardo
Faculty Advisor
Stuyvesant High School Robotics Team



Sponsorship Benefits

Gift Amount	Title	Benefits
Highest Overall Contributor	Platinum	<ul style="list-style-type: none"> All benefits of Gold plus: Contributor chooses robot name
\$10,000+	Gold	<ul style="list-style-type: none"> All benefits of Silver plus: Contributor receives a plaque of appreciation
\$5,000-\$9999	Silver	<ul style="list-style-type: none"> All benefits of Bronze plus: Contributor receives a thank you package Contributor's name is associated with StuyPulse
\$2,000-\$4,999	Bronze	<ul style="list-style-type: none"> All benefits of Aluminum: Contributor's decal placed on robot Contributor receives signed team photograph
\$500-\$1,999	Aluminum	<ul style="list-style-type: none"> All benefits of Sheet Metal plus: Contributor's name placed on back of team shirt
\$100-\$499	Sheet Metal	<ul style="list-style-type: none"> All benefits of Nuts & Bolts plus: Contributor's website is linked on Stuypulse.com Contributor receives an invitation to visit the robotics lab during build season
\$50-\$99	Nuts&Bolts	<ul style="list-style-type: none"> Contributor receives a letter of appreciation

If you would like to donate, please make a check out to Stuyvesant High School Robotics Team, and mail it to the following address:

Stuyvesant High School
Attn: Mr. James Lonardo, Technology Dept.
345 Chambers Street, Room 450
New York, NY 10282

100% of all contributions are allocated towards the project expenses of the team, including materials, tools, shipping, and tournament fees.



Learn More About Us!

- **Team 694** is incredibly diverse. Although our team started off with only 10 members and 1 female among them, we now have over 130 members in which 40% of our team are girls.
- **Team 694** hosts a student run series of lectures annually at our school, called Stuy Splash. Teams from the tri-state area are invited to attend lectures on different aspects of a FIRST team such as pneumatics and marketing.
- **Team 694** has been featured on countless print and digital media including the Popular Mechanics, the Popular Science, the Wall Street Journal, the New York Times, the NY Daily News, NY1 News, ABC News, Fox 5 News, local radio station 1010 WINS, Chinese and Japanese Newspaper, and Russian television.
- **Team 694** has spent over 10,000 hours volunteering and hosting numerous outreach events to spread the message of FIRST throughout the community.
- **Team 694** has spent countless hours mentoring other FIRST teams. Over the course of the past couple of years, we have actively mentored 26 FRC teams, 12 FTC team and 7 FLL teams along with 7 other robotics teams.
- **Team 694**'s graduating members have been admitted into various prestigious colleges such as MIT, Yale, Brown, Cooper Union, Upenn, and Cornell University.
- **Team 694**, for the past three years, have traveled to China to attend the China Robotics Challenge (CRC).
- **Team 694** has participated in robotics events at the Winter Garden of the World Financial Center, the Jacob Javits Center, City Hall, Queens Hall of Science, Liberty Science Center, Tribeca Film Festival, Grand Central Station, Chelsea Piers, Credit Suisse, D. E. Shaw, the Museum of Natural History, the New York State Fair, the World Science Fair, and World Maker Faire.



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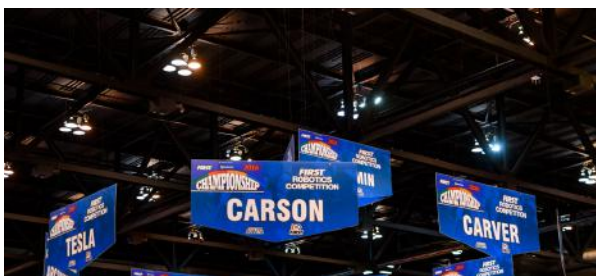
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2016-2017 Season

Jonah Sachs-Wetstone, President of Engineering

Courtney Chiu, President of Marketing

Wilson Berkow, President of Software Engineering



Feedback from Peers, Specialists and Prior Participants

“When I stepped into the first StuyPulse meeting, I knew I wouldn't regret it. I didn't just join a team; I joined a tight-knit family, and we've been through so much together, not just in New York, but across the world.”

Lamia Bushra, Class of 2019

“I joined this team with no experience in engineering or robotics. Now I not only have these skills, but I learned how a group of people with a common interest can turn into a family and accomplish whatever we set our minds to.”

Levi Olevsky, Class of 2018

“There are all the subtle things that become part of them, like team work. When they don't realize they are learning, they learn more...Watching them grow from knowing nothing, to discovery, to mastery, is why I am on the team. I love to watch them learn.”

Jeanne Boyarsky, Mentor and Software Developer

“With team 694, my mind continues to be entertained, and sometimes I even have to go home and research the problems the team asks me.”

Ron Kunicki, Mentor and Architect

“My goal is to let them try, and to let them learn from their mistakes.”

“I have witnessed time and again the transformation of the lives of students who join the team early in their high school careers as shy individuals, unsure of how they fit into a team effort, and knowing nothing about power tools or the basic principles of physics. Three short years later, these same students are the ones taking leadership roles, speaking with authority on the subject of robotics and encouraging the newest members of the team to grasp the excitement of seeing our team grow and improve.

Rafael Colón, Teacher and Team Advisor

“It's not just a team, but a family... it provides me with the unique hands-on experiences I would never have had just from the school system”

Joanna Zhu, Class of 2013

“I will never stop regretting that I didn't join the team in my Freshman year.

“I now not only have knowledge and skills that I can use for the future (including teamwork and learning how to brainstorm efficiently), I also have a second family, and that is one of the best anyone can hope for.”

Eric Lam, Class of 2013



Awards

- 2016 Einstein Quarterfinalist
- 2016 Curie Subdivision Winner
- 2016 New York Regional Winner
- 2016 NY Engineering Inspiration sponsored by NASA
- 2016 SoFlo Entrepreneurship Award
- 2016 SoFlo Regional Quarterfinalist
- 2015 Gracious Professionalism
- 2015 2nd Place New York Regional
- 2014 New York Regional Quarterfinalist
- 2014 Buckeye Regional Quarterfinalist
- 2013 Winner of New York Regional
- 2013 FIRST Dean's List Finalist Award
- 2012 Regional Chairman's Award at Hartford
- 2012 Hartford Website Award
- 2012 NY Woodie Flowers Regional Award
- 2011 Regional Chairman's Award at Hartford
- 2011 Excellence in Design Award Sponsored by Autodesk
- 2011 FIRST Dean's List Finalist Award
- 2010 Winner of New York regional
- 2010 Regional Chairman's Award at Hartford
- 2010 Innovation in Control Award sponsored by Rockwell Automation Regional Winner
- 2010 FIRST Dean's List Finalist Award
- 2009 Kleiner Perkins Caufield & Byers
- 2009 Entrepreneurship Award
- 2008 NY Engineering Inspiration Awards
- 2008 1190 Great Sportsmanship Award
- 2008 NJ Semifinals Captain 5
- 2008 NY Semifinals Captain 3
- 2007 NY UL Industrial Safety Award
- 2007 NY Regional Finalist
- 2007 NJ Judges' Award
- 2007 375 Best Ramp Bot
- 2007 354 Best Mascot 16-- Best Alliance Partner
- 2006 NY Regional Finalist
- 2006 NY Website Award
- 2006 NY Xerox Creativity
- 2005 NY Woodie Flowers Regional Award
- 2005 NY Regional Chairman's Award
- 2005 NY RadioShack Innovation in Control Award
- 2005 NY Regional semifinalist
- 2005 NAT Championship Galileo Division semifinalist
- 2004 NY Regional Quarterfinalist
- 2004 NY KPC&B Entrepreneurship
- 2003 NY Regional Championship
- 2003 PA Regional Semifinalist
- 2002 Engineering Inspiration Award
- 2002 NY Regional Quarterfinalist
- 2001 NY Finalist