Ever since Boston University and BU Academy started our team in 1998, our members have been promoting STEM education through robotics. Our students and mentors combine efforts to provide younger generations with knowledge, motivation, and confidence they will need to become future business and technology leaders. Reflecting on our experiences, we hope to continue to inspire them with the same lasting passion for creating and learning that has kept our team growing with the drive to succeed.
Dear Sponsors and Supporters,

We had a successful year for our VEX and FRC teams, both on and off season. We welcomed the season with our new lead engineering mentor, Dr. Joe Johnson; with him came a new preseason project for us: Rover, a defensive dodecagon chassis with swerve modules. Rover was not only the foundation for our 2015 robot, but also a pathway to teach our team members--new and old--engineering skills for the build season. Our incoming members learned the basics of robotic design, including 3D modeling on CAD software and prototype design/build, while older students solidified these skills and strengthened their leadership. As preseason came to an end, build season ramped up; after six weeks of continuous building, programming, and testing, we finally unveiled our robot: Scorpion, with a swerve drive, 3 joint arm, and an automated intake system. We attended three district events and won awards at each: at the Nashua Granite State Event, we won the Creativity Award sponsored by Xerox; at the North Shore Reading Event we won the Quality Award sponsored by Motorola, as well as the entire District Event as the alliance captain; and at the UMass Dartmouth Event, we won the Excellence in Engineering Award sponsored by Delphi, as well as earning the District Event Finalist position. Through these events, we qualified for the New England District Championships, where we later qualified to go onto to Worlds in St. Louis, Missouri. Our VEX Team also had a very successful season; as semi-finalists at the VEX Southern New England Championship, they qualified for VEX World Championship in Louisville, Kentucky. We’re happy to announce that with our trip to St. Louis, we increased our funding dramatically, and gained support from our gold level sponsors.

After we finished Recycle Rush and Skyrise, we attended one more offseason event, Beantown Blitz, where we won the Excellence in Engineering Award. During the summer, we continued our work with U-Design and the Massachusetts Pre-Engineering Program (MassPEP)—two summer camps targeted towards teaching children various STEM topics; we also presented demos for various summer groups such as: Artemis Camp, Boston Scientific, Tinker Tent at the Boston Children’s Museum, and toured the GE Aviation Plant.

We would like to give our sponsors, families, and friends a huge thank you for supporting us throughout this season; without your encouragement and support, we couldn’t have achieved any of this!

Evelyn Huang ‘16
Captain

Oliver Jay ‘16
Captain
Looking Forward

In the coming season, we hope to:

- Facilitate build season through a summer robotics program for incoming freshmen and rising sophomores
- Provide opportunities for students to apply their robotics knowledge to high intensity academic projects such as BU Academy Senior Thesis and BU College of Engineering Senior Design Project
- Welcome back FIRST Robotics Competition to the BU Campus
- Advance the learning experience for our undergraduate mentors through collaborative work with our students
- Strengthen our partnerships with our sponsors and through demos, product testing, and product development

Meet the Team!

Lead Mentors
Gary Garber (BUA Faculty)
Joseph Johnson (iRobot)
Samuel Duffley (iRobot, BUA ’05)
Konstantin Nazarenko (PTC)
David Anderson (BU ENG Faculty)
Aleksandrs Zosuls (BU ENG faculty)
Ana Medina Ayala (BU ENG faculty)
Kanav Dhir (BU ENG ’15)
Emily Stern (BU ENG ’16)
Leah Magid (BU SAR ’17; BUA ‘13)
Alex Barden (UMASS ENG ’17; BUA ‘12)
Abdullah Alhashim (BU ENG ’18)
Christian Morales (BU ENG ’17)
Chiraag Devani (BU ENG ’17)

Expenses

VEX Materials........................................ $1,150
FRC Materials...................................... $12,750
VEX Registration Fees..............................$1,000
FRC Registration Fees.............................$10,000
Tournament Hosting Expenses..................$2,050
Technology......................................... $300
Fund Raiser Expenses............................$350
Publications, Clothing, Swag.....................$1,750
Outreach............................................. $2,000
Undergraduate Stipends..........................$4,850
Travel and food (local)............................$250
VEX Worlds (Registration, travel, shipping)....$2,400
FRC Worlds (Registration, travel, shipping)....$18,050
TOTAL EXPENSES..................................$56,900

VEX WORLD CHAMPIONSHIP

Class of 2015
Nelll W., Remy K., Colin H., Weston H.,
Chris J., Joseph V., Paul T.

Class of 2016
Evelyn H., Oliver J., Jordan F., Owen G., Helena P.,
Michael S., Janina H., Nix G., Eric H.

Class of 2017
Aris P., Jacob N.

Class of 2018
Nikhil S., Divya B., Neil M., Nimish G., Jeff N.
Bolt Depot, iCustom Label, BUA Parents Association, SoftControl.Net Ltd., Giving Assistant, BUA Activities Budget, Deal Nerd.net, 3d Forged.com, Ask Deal, Clarity, Wallet Hero, Web Host Coupon Codes, Phlebotomy Training, BUzz Lab, Elite Gaming Computers, Home Advisor, Capstone Associated Services, Harting Technology Group, TPC Wire and Cable, RSL, Funding, Drexel University Online, Coupon Lawn, Zoe Yacht, CCTV Camera World

Many thanks to our Alumni Supporters

Will Persampiere  Craig Broady  Steve Howland  Sarah Esterquest  Joe Recht  Toby Waite
Roshini Zacharia  Danny Gorelik  Victor Kamenker  Aaron Gorenstein  Sam Duffley

[Images of students and robots]