

CORNELL

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ROCKETRY

PROSPECTUS



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ABOUT US

Cornell Rocketry is a 42-member engineering project team dedicated to learning how to design, construct, and launch rockets. In past years, we participated in the NASA Student Launch competition, which involved launching a high-powered rocket to 5,280 feet with a specific payload.

In 2016, we won the NASA Centennial Challenge and placed 3rd overall in the 2017 NASA Student Launch Competition. We were also awarded the Safety Award and Project Review Award in 2017.

This year, we are participating in the Spaceport America Cup, where we hope to launch our rocket to 10,000 feet. During flight, the launch vehicle will deploy a fixed-wing aircraft that will itself have a scientific payload and will collect data. Although it is an ambitious undertaking, CRT's six subteams will work tirelessly to build the rocket and will rely on sponsors like you to help make this goal a reality!

WHY SPONSOR?

Cornell Rocketry's subteams rely on generous sponsors to help them design and test rockets, and gain exposure to important workforce skills. By supporting CRT, sponsors can gain visibility both throughout Cornell and nationally, recruit promising young talent, and advertisements through our social media channels. Donations will go towards materials, travel expenses to competitions, and safety equipment.



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The following are suggested tiers - contributions of any amount are appreciated.

	Bronze \$250	Silver \$500	Gold \$1000	Platinum \$2000
GENERAL				
Newsletter				
Visibility At Cornell				
National Visibility*				
Crt Gift				
RECRUITMENT				
Access to Resume Book				
Access to Members**				
BRANDING				
Logo on Apparel				
Logo on Website				
Logo on Plane And/or Rocket				
Public Thanks (Social Media)				

*Companies will gain widespread visibility through our national competitions

***Companies may reach out CRT members year-round for recruitment, new-products, or tech-talks.



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THE COMPETITION

This year, CRT will compete alongside over 110 college teams from 11 different countries in the annual Spaceport America Cup. Some of our goals for this competition include:

- Launch to precisely 10,000 feet above ground level, using an active airbrake system for greater accuracy.
- Upon descent, deploy an Unmanned Aerial Vehicle from within the plane.
- Power the launch vehicle with a custom-designed, solid-fuel propulsion system.
- Ensure systems integrity through use of a custom-designed central flight computer to coordinate signals and commands throughout the plane.
- Utilize GPS and radio protocols to track the launch vehicle throughout all phases of flight.

The increased difficulty and creative freedom of the new competition are exciting, but come at a literal cost. The greater challenges mean larger and durable rockets, but also more expensive ones. Creating propulsion systems involves infrastructure and experimentation costs. Due to travel expenses, we often limit the number of team members we send to competitions. That is why we ask for your help!

