CUAUV is a completely undergraduate project team at Cornell University. The team is composed of 45 students, spanning 8 majors, that competes in AUVSI's international Robosub competition. Each year, we design, build, program, and test two completely new autonomous submarines. In July, we ship our subs down to San Diego, put it in a 200'x300' Navy testing pool, press the green button, and cheer it on as it navigates a complicated underwater obstacle course with no human intervention whatsoever. Two years ago, CUAUV was the first team to develop two vehicles in parallel, forever changing the way teams compete. Last year was focused on building upon our success with two submarines, and our hard work was realized in July when Artemis and Apollo took home the team's seventh first place win at the 20th Annual RoboSub.

This year, CUAUV is aiming to once again revolutionize the way AUVs are used. With our newest vehicles, Castor and Pollux, we intend to complete the RoboSub course faster than ever before. A new Teledyne Pathfinder DVL will allow our vehicles to sense the field with higher resolution and speed. A completely new mechanical design will innovate the way our vehicles moves in the water. A dual electrical system will allow for improved efficiency across all systems as well as open the door for intervehicle communication. CUAUV is more than ready to reimagine AUVs for the 2018 RoboSub competition.