RSE ROBOT

2018 ROBOT ALL STARS

Conservator and Explorer
Coaches: Colin Angle, Erika Ebbel Angle, John Rizzi, Geoffrey Gardner & Orin Hoffman

Stats: Support conservation and exploration activities in the world’s oceans.

Hometown: Robots in Service of the Environment (RSE)

Fun Fact: No fish have been harmed in the making or use of this robot.
HONDA 3E-D18
2018 ROBOT ALL STARS
AI-Equipped Platform
HONDA 3E-D18 | AI-Equipped Platform

**Coach:** Takahiro Hachigo

**Stats:** Built to “empower,” to expand the possibilities of people. By replacing the upper attachment, it can perform various tasks such as fire-fighting, farm work, and sports training support. Off-road capabilities allow autonomous operation on rugged terrain like farms and mountains.

**Hometown:** Honda

**Fun Fact:** Its open-source technology platform makes it easy for global developers to build applications.
AIBO

Coach: Toshitada Doi

Stats: With its irrepressible curiosity, Aibo wants to know you and explore its environment; and understand the ways of the world.

Hometown: Sony

Fun Fact: Aibo can learn and memorize faces.
Emotionally Responsive Robot
Coaches: Colin Angle, Helen Greiner, and Rodney Brooks

Stats: The first emotionally responsive robot built by iRobot, IT responded to its environment with happiness, anger, and other lifelike emotions.

Hometown: iRobot

Fun Fact: IT loved having its picture taken, but didn’t like being crowded and would complain if people came too close.
2018 ROBOT ALL-STARs

JIBO

Social Robot
JIBO Social Robot

Coaches: Cynthia Breazeal, Brian Eberman, and Jeri Asher

Stats: Using facial recognition technology, Jibo uses a camera to remember each person in his loop. Jibo is designed to be a helpful, integrated part of day-to-day life.

Hometown: Jibo

Fun Fact: Just ask, and Jibo will take your photo!
Coach: Vikas Gupta

Stats: Dash & Dot are responsive robots packed full of capabilities that allow them to interact with students, their environment, and each other thanks to their multiple built-in motors, sensors, LEDs and audio capabilities.

Hometown: Wonder Workshop

Fun Fact: Dash can hop around the room when it’s wearing bunny ears!
Autonomous Delivery Robot
Coaches: Steve Cousins, Tessa Lau, Izumi Yaskawa, and Robert Bauer

Stats: Relay is an autonomous delivery robot that’s deployed in hotels, high rise apartment buildings, labs, and manufacturing facilities.

Hometown: Savioke

Fun Fact: Relay has completed hundreds of thousands of autonomous deliveries and can navigate elevators and crowds.
ROBOTARIUM

2018 ROBOT ALL★STARS

Remote-Access Swarm Robotics Lab
Coach: Magnus Egerstedt

Stats: The first robotics lab of its kind, the 725-square-foot Robotarium facility houses more than 100 rolling and flying swarm robots that are accessible to anyone.

Hometown: Georgia Tech GRITS Lab

Fun Fact: The Wall Street Journal featured the Robotarium on the its front page the week before the lab opened.
**TARZAN**

**Crop Monitoring Robot**

**Coaches:** Jonathan Rogers & Ai-Ping Hu

**Stats:** Tarzan swings over crops, capturing images of plants that can be analyzed with machine-learning algorithms to detect diseases or other stresses before spreading.

**Hometown:** Georgia Tech iREAL Lab & Georgia Tech Research Institute

**Fun Fact:** Someday the robot might function as a mobile scarecrow to recognize, track, and drive off pests or predators.
COZMO

2018 ROBOT ALL★STARS

Educational Mobile Robot
COZMO

Educational Mobile Robot

Coaches: Boris Sofman, Mark Palatucci, and Hanns Tappeiner

Stats: Cozmo has a variety of sensors that allow it to see people, move objects (blocks), and navigate in the world; the API allows students to learn how to program robots to localize and navigate environments and interact with people.

Hometown: Anki

Fun Fact: Cozmo is used at Georgia Tech in a class of more than 250 students. You can find 100 Cozmos roaming around during lab hours.