

UTC Project Information	
Project Title	STRIDE Partner K-12: Autonomous Vehicle Challenge Summer Camp
University	Georgia Institute of Technology (Georgia Tech)
Principal Investigator	Robert B. Carswell Program Support Coordinator Georgia Tech / Civil and Environmental Engineering
PI Contact Information	E-mail: Robert.carswell@ce.gatech.edu Tel: 404.385.3755
Funding Source(s) and Amounts Provided (by each agency or organization)	STRIDE: \$45,000 GaTech: \$45,000 (match) <i>*Renewable each year.</i>
Total Project Cost	\$45,000
Agency ID or Contract Number	69A3551747104
Start and End Dates	January 1,2020 – December 31, 2020
Brief Description of Research Project	<p>Develop and offer an Autonomous Vehicle Challenge Summer Camp. This effort includes four phases.</p> <p>a. Phase 1 - Partner with Chapel Hill High School to support and provide the expertise and hardware necessary for the team to prepare their 2019 entry into the Georgia Gravity Games Autonomous Gravity Racer (AGR) competition.</p> <p>b. Phase 2 – Using the knowledge gained in phase one, prepare a program outline and manual for other teams to use in constructing their own AGR. Program outline and manual will be hosted online.</p> <p>c. Phase 3 – Host a 5-day summer camp at Georgia Tech for four or five teams from local schools. Teams will learn basic AGR design, python programming, and hardware function. The goal of the camp is to have a functional vehicle to demonstrate to families and visitors. This effort will include an expo race.</p> <p>d. Phase 4 - Provide technical support and materials for seeded teams to continue their preparations for the November 2020 Georgia Gravity Games. Update program outline and manual.</p>
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Not available. Research is in progress.
Impacts/Benefits of Implementation (actual, not anticipated)	Not available. Research is in progress.

Web Links <ul style="list-style-type: none">• Reports• Project website	https://stride.ce.ufl.edu/k-12-workforce-development/active-k-12-projects/
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