

Senate Resolution 443

By: Senator Mullis of the 53rd

#### A RESOLUTION

1 Congratulating and commending Samuel Clarke, Ryan Williams, and David Ehrlich; and for  
2 other purposes.

3 WHEREAS, Samuel Clarke, Ryan Williams, and David Ehrlich have reached the finals of  
4 Georgia Tech's 2017 Inventure Prize competition, the largest undergraduate invention  
5 competition in the nation for which they developed the CPR+ Mask; and

6 WHEREAS, cardiac arrest claims more than 380,000 victims outside of hospitals per year  
7 in the United States, with less than a 10 percent survival rate; however, according to the  
8 American Heart Association, performing CPR can more than double the chance of survival;  
9 and

10 WHEREAS, with only 30 percent of Americans currently trained and prepared to perform  
11 CPR, there is a need for a solution to equip more everyday Americans to potentially save the  
12 lives of some of the nearly 1,000 daily victims of cardiac arrest; and

13 WHEREAS, the CPR+Mask device uses sensors to monitor the vital signs of a victim of  
14 cardiac arrest and correspondingly directs a bystander through each step of performing  
15 standard of care CPR with audio commands as well as lights for visual feedback; and

16 WHEREAS, Samuel Clarke graduated from Georgia Tech in December, 2016, with degrees  
17 in computer science and mechanical engineering, Ryan Williams graduated from Georgia  
18 Tech in May, 2017, with a degree in computer engineering, and David Ehrlich graduated  
19 from Georgia Tech in December, 2016, with a degree in computer engineering; and

20 WHEREAS, as part of Georgia Tech's senior design class, these remarkable students  
21 developed the CPR+Mask which is an automated resuscitation mask that enables an  
22 untrained bystander to perform life-saving CPR within a cardiac arrest emergency; and

23 WHEREAS, it is abundantly fitting and proper that the outstanding accomplishments of these  
24 extraordinary individuals be appropriately recognized.

25 NOW, THEREFORE, BE IT RESOLVED BY THE SENATE that the members of this body  
26 congratulate Samuel Clarke, Ryan Williams, and David Ehrlich on reaching the finals of  
27 Georgia Tech's 2017 Inventure Prize competition, commend them for their many outstanding  
28 contributions, and extend best wishes for their continued success.

29 BE IT FURTHER RESOLVED that the Secretary of the Senate is authorized and directed  
30 to make appropriate copies of this resolution available for distribution to Samuel Clarke,  
31 Ryan Williams, and David Ehrlich.