

## House Resolution 802

By: Representatives Thomas of the 21<sup>st</sup>, Jasperse of the 11<sup>th</sup>, Ballinger of the 23<sup>rd</sup>, Ridley of the 22<sup>nd</sup>, Carson of the 46<sup>th</sup>, and others

## A RESOLUTION

- 1 Commending Dalton Luedke; and for other purposes.
- 2 WHEREAS, during his recent internship at NASA, Dalton Luedke created a model engine  
3 that has the significant potential to help redesign propulsion systems for deep space missions  
4 to the moon and Mars, an unprecedented feat for a student engineer; and
- 5 WHEREAS, his remarkable achievement in designing a small-scale modular rotating  
6 detonation rocket engine (RDRE) has enabled a more efficient, cost-effective approach to  
7 research and development, allowing his team at NASA to test 12 unique configurations; and
- 8 WHEREAS, despite his internship ending in August, he has continued to conduct data  
9 reduction and author scholarly papers on the project, and in early 2024, he will work with his  
10 NASA team on several new tests; and
- 11 WHEREAS, with familial ties to aviation and a natural affinity for science and mathematics,  
12 Dalton's research interests first led him to Georgia Tech and the Yang Aero Maker Space  
13 (AMS), where he gained hands-on experience in a variety of machining and manufacturing  
14 processes prior to his NASA internship; and

15 WHEREAS, the exceptional work by Dalton serves as an inspiration and model for young  
16 aspiring engineers and scientists, proving that dedication, creativity, and hard work can lead  
17 to significant contributions; and

18 WHEREAS, the State of Georgia looks with great anticipation toward the future of this  
19 bright and promising young citizen.

20 NOW, THEREFORE, BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES that  
21 the members of this body heartily commend Dalton Luedke upon his highly successful  
22 internship at NASA and express their most sincere best wishes for continued success in his  
23 future endeavors.

24 BE IT FURTHER RESOLVED that the Clerk of the House of Representatives is authorized  
25 and directed to make an appropriate copy of this resolution available for distribution to  
26 Dalton Luedke.