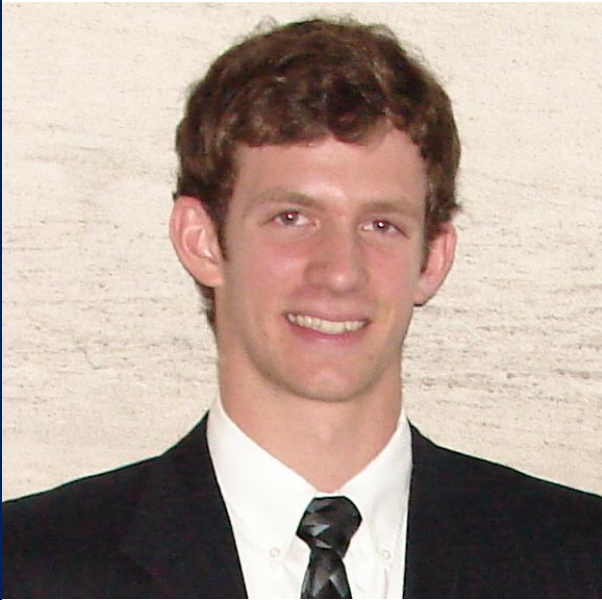


## Matthew Denny

Graduate Research Assistant

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### BIO:

Mr. Matthew Denny is currently pursuing a Master of Science degree in Aerospace Systems Engineering at the University of Alabama in Huntsville (UAH), and he is working for the UAH Propulsion Research Center as a Graduate Research Assistant. He graduated from UAH on May 4, 2013 with a Bachelor's Degree in Mechanical Engineering with a Focus in Aerospace Engineering. He was awarded the Outstanding Aerospace Engineering Student of 2013 Award at UAH, and he is a member of the national engineering honor society Tau Beta Pi and the aerospace engineering honor society Sigma Gamma Tau.

Mr. Denny has experience working as an engineering intern for Bangham Engineering, Inc. There he worked in blast testing and analysis, blast modeling, and experiment and mechanical design. Before working at Bangham Engineering, he worked as an engineering intern for Northrop Grumman for two consecutive summers. There he contributed to mechanical design, software development and analysis, electronics testing, and requirements documentation.

Mr. Denny served as the Payload Team Lead for the UAH team in the University Student Launch Initiative rocketry competition. He is CPR certified, High-Powered Rocketry Level 1 Certified with the National Association of Rocketry (NAR), and he completed an introductory course in machining, welding, and Rapid Prototyping at UAH.

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### RELEVANT PUBLICATIONS:

1. Cranford, J. T., Denny, M. D., Patel, A., Harrison, S. J., Gillmore, D., "Student Design of Experimental Proof of Concept of Dielectrophoresis for the Use of Deep Space Fuel Management on Sounding Rocket," AIAA 2013-4108, July 2013.