



Amit Patel

Graduate Research Assistant

Department of Mechanical and
Aerospace Engineering



BIO:

Mr. Amit Patel is currently a Graduate Research Assistant (GRA) for the UAHuntsville Propulsion Research Center. He is also a Graduate Teaching Assistant (GTA) to Dr. David Lineberry for the MAE Rocket Design Course. As the GTA, Mr. Patel assists with teaching and mentoring the undergraduate students in sound designing of high powered rockets. He served as the Program Manager for the previous class in the NASA SLP competition and led the UAH team to a sixth place finish out of thirty seven university teams in the demanding contest. Mr. Patel was the primary spokesperson for the team and oversaw the design of the rocket. He has level one certification with the National Association of Rocketry and Tripoli Rocketry Association. He is also a Huntsville Area Rocketry Association member.

As a GRA, Mr. Patel is responsible for testing support at the Johnson Research Center for a funded research project. He has been working in a number of roles for the Propulsion Research Center while assisting graduate students and principle engineers with their research. During his time as an undergraduate he worked in the PRC High Pressure Spray Facility, helping a PhD. student in conducting tests for research. He was also a contributor in the setup for the Cryogenic Test Facility and a Hot Fire Test Cell experiment. Along with conducting research, he has also been an integral part of strategic planning for the UAH Propulsion Research Center by working on plans to upgrade the facility for improved efficiency and appearance. As a Student Specialist, he also assisted the Program Coordinator with daily operations.

Mr. Patel completed an Undergraduate Thesis titled, "Synchronizing High Speed Image and Data Acquisition," to complete his Honor's Program requirements. During his time as an undergraduate student he participated in two trade studies for SAIC. He was on a team that wrote a technical document and presentation on "Clean Energy Solutions for America" and "Building a 21st Century Hospital." Both times his team placed in the top two in regional competitions and won scholarship awards.

Contact Information:

University of Alabama in Huntsville
301 Sparkman Drive, Huntsville, AL 35899
ap0008@uah.edu; www.uah.edu/prc

RELEVANT PUBLICATIONS:

1. Cranford, J., Denny, M., Patel, A., Lineberry, D., Harrison, S., "The UAH 2013 University Student Launch Initiative Project," AIAA 2013-4108, 49th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit, San Jose, CA, July 2013.