



Ben M. Beeker

Student Specialist IV

Propulsion Research Center



BIO:

Ben is currently working as a Student Specialist IV intern for the UAHuntsville Propulsion Research Center. He is senior pursuing a B.S. in Mechanical Engineering, with hopes of obtaining a M.S. in Engineering after graduation. He is one of the first students to take part in the JUMP program offered for Mechanical Engineering. During the Fall semester of 2013 he worked for UAHuntsville building material testing equipment. This included both construction and initial testing of assembled equipment. A pendulum force machine connected to a data acquisition system, and a fatigue line cutter were both assembled. Ben built a vacuum furnace for the testing of materials in a vacuum at high temperature for Dr. Evans' materials research laboratory. This included performing finite element analysis on the equipment used to support the furnace. The support equipment allowed the vacuum furnace to be placed inside a MTS fatigue testing machine. Ben also enjoys fabricating his own parts. He is proficient at MIG, Flux, and arc welding; as well as oxygen/acetylene, and plasma cutting. Ben has also worked with graduate research assistants, and principle engineers in assisting with their research.

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