Josh Furey

**Award**: Elijah Balloon Payload; $3000.00

**Advisor:** Dr. William Farrow

**Research Topic:** The Elijah Project -- 2017 High Altitude Balloon Project

**Abstract:** The 2017 Wisconsin Space Grant Consortium Elijah High-Altitude Balloon Launch Team was comprised of one student from Lawrence University, two students from the Milwaukee School of Engineering, and one student from the University of Wisconsin – Fox Valley. This year, three members of the team had experience with high altitude balloon launches due to previous participation on either the Elijah Payload or Launch Team, or both. A training session was hosted by Dr. Farrow to familiarize or refresh the team with the physical setup of a launch train as well as how to run track predictions and how to read the jet stream charts. Launches were planned and carried out for the Elijah High-Altitude Balloon Payload Team. This launch was successful, reaching a peak altitude of over 115,000 ft (35 km) above mean sea level.

**Biography:** Hi, my name is Josh Furey and I am a sophomore going to the Milwaukee School of Engineering for  
Mechanical Engineering. I am an Eagle Scout from Superior Wisconsin and live with a family of 7 with 2  
brothers and 2 sisters. I really enjoy math, science and programing as that is what interested me in  
mechanical engineering. This previous summer, I was a part of the Project Elijah Payload team which  
was a great experience. I love photography and take a wide variety of photos from graduation to nature and the night sky. Some of my other interests include hanging out with friends, making videos, and playing the saxophone.

**Congressional District:** 4

**Congressional Representative:** Gwen Moore