

## **Natasha Bosanac - Bio**

Natasha Bosanac is currently a Ph.D. candidate at Purdue University. She has previously earned a Bachelor of Science in Aerospace Engineering from the Massachusetts Institute of Technology, and a Masters degree from Purdue University. Natasha's research involves applying dynamical systems theory and geometric mechanics to problems in astrodynamics and celestial mechanics. Recently, such problems have included analysis of the impact of a many-body interaction in binary star systems through a collaboration with the Purdue University Department of Physics. In collaboration with NASA Goddard Space Flight Center, Natasha has also contributed to the design and construction of an interactive orbit catalog for trajectory design within the Earth-Moon system, as well as the formulation of a trajectory design framework for a low-thrust enabled CubeSat mission.