Evan Blosser

I am a graduate research assistant at OU, working with the astrodynamics research group, pursuing my master's in aerospace engineering and performing astrodynamic research for my thesis.

Contact

@ evan.blosser13@gmail.com   github.com/evanblosser13

Skills

- 1 semester of teaching experience as a TA
- </> Python, Matlab, R, C, LaTeX
- Git & ssh
- Solidworks & AutoCAD

Relevant Course Work

- AME-4493 Space Sciences & Astrodynamics,
  AME-4593 Space Systems & Mission Design
- AME-3253 Aerodynamics,
  AME-3333 Flight Mechanics
- AME-3143 Solid Mechanics,
  AME-3353 Designing Mechanical Components
  AME-5193 Intro. to Computer Aided-Design Theory
- PHYS-3043/3053
  Physical Mechanics I & II
- PHYS-4153 Statistical Physics & Thermodynamics
- AME-5393 Renewable Energy Systems and Control

Experiences

Graduate Research:
January 2024- December 2025
Soonerspace Research Group

- Continuing my undergraduate research I create Mass Concentration (MASCON) models of asteroids & utilize the University of Oklahoma's super computer OCSER to study asteroid orbital dynamics. I have also presented my work on the asteroid 1950DA and preliminary mission design at the 2024 annual AAS/AIAA conference.

Research Intern
June 2020-August 2020
LUNAR-BC Program (Langston University S.R.I. & NASA)

- Our job was to research plants and probiotics that would help alleviate immune dysregulation for crew members on their journey to Mars, then report our findings to our mentors and colleagues at weekly meetings.

Education

Bachelors in Science
December 15, 2023
University of Oklahoma

- Engineering Physics major with an Aerospace Design Sequence.

Mathematics Minor
December 15, 2023
University of Oklahoma

- With courses MATH 4383 Applied Modern Algebra & MATH 4753 Applied Statistical Methods.

Associates in Science
May 2020
Rose State College

- Double majored in Physics and Mechanical/Aerospace Engineering.