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.a.blosser-1@ou.edu

evan-a-blosser-1/Galactikhan

Skills

- 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
- PHYS-3043/3053 Physical Mechanics I & II
- PHYS-4153 Statistical Physics & Thermodynamics
- AME-5393 Renewable Energy Systems and Control

Experiences

Undergraduate Research:
January 2023- December 2023

PHYS: 4310 & 4320 (Astrodynamics Research Group)

- Created an open-source asteroid database for educational purposes. I utilize the Mass Concentration (MASCON) method of analyzing polyhedron shape models of asteroids. These MASCON models are used for determining the irregular gravitational fields of asteroids.

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. educational purposes

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.