Jeremiah Munson

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SKILLS

- Project Management
- Systems Engineering
- Public Speaking
- Documentation
- Interdisciplinary Team Leadership
- Time Management & Scheduling
- French

EDUCATION

M.S. in Aerospace Engineering Science   May, 2021
University of Colorado at Boulder, Boulder, CO
- Focus Area: Astrodynamics and Satellite Navigation
- Courses: Spaceflight Dynamics, Introduction to GNSS, Aerospace Math (Tensors)

B.A. in Physics, *magna cum laude* (3.86/4.00 GPA)   May, 2019
Carthage College, Kenosha, WI
- Notable Courses Outside Major/Minors: Advanced French (passed Carthage College Proficiency Exam), Intro to 3D Design, Public Speaking, and Intro to Public Policy among others.
- Carthage Space Sciences, Comp Sci Club, Society of Physics Students, Phi Kappa Sigma, Concert/Pep Band

EXPERIENCE

June 2016 – May 2019

Systems Engineer: CaNOP CubeSat
Wisconsin Space Grant Consortium, Carthage College: Kenosha, WI
- Orchestrated up to 20 students in subsystem teams ensuring collaboration. Led system requirement, design, and hardware integration.
- Organized and led weekly, full team meetings covering individual subsystem progress and next steps.
- Led the creation and organization of mission documentation including the 3 design reviews, the System Requirements Review, and 2 safety reviews for our launch integrator, NanoRacks.
- Performed mission simulations with Systems Tool Kit (STK) including power simulations, link coverage, and target imaging coverage.

June 2018 – August 2018

NASA Space Academy Research Associate: CubeSat Design and Engineering Model
NASA John H. Glenn Research Center: Cleveland, OH
- Defined high altitude ballon mission to advance the Technology Readiness Level (TRL) of an experimental, nano-enhanced satellite power system created at the Rochester Institute of Technology.
- Designed, assembled, and tested payload electronics around an Arduino Uno and BeagleBone Black.
- Launched high altitude balloon experiment and analyzed recovered data using Python.

December 2017 - May 2018

Education Chair: Phi Kappa Sigma
Gamma Gamma Chapter (Carthage College): Kenosha, WI
- Prepared and presented material to chapter of approximately 40 members.
- Scheduled individual meetings with members to discuss academic standing and strategies to improve.
- Organized meetings with multiple employees from our international headquarters.

May 2015 - July 2015

Eagle Scout Project: Magelssen Bluff Trail Accessibility Enhancement
Gamehaven Council, Troop 53: Rushford, MN
- Worked with city officials to receive city approval.
- Performed cost and time analysis for project to complete paperwork for BSA approval.
- Raised money for project to buy supplies.

ADDITIONAL INFORMATION

Organization Memberships
Sigma Pi Sigma Physics Honors Society: Inducted May 2019
NASA Academy Alumni Association (NAAA): Inducted August 2018
Phi Kappa Sigma, Gamma Gamma Chapter: October 2016 - May 2019
Society of Physics Students (SPS): September 2015 - May 2019
American Society for Gravitational and Space Research (ASGSR): August 2017 - August 2018

Notable Presentations
Undergraduate Senior Thesis Defense: May 2019
NASA Glenn Research Center Summer Interns Poster Session: July 2018
CubeSat Developers Workshop: April-May 2018
Carthage College Celebration of Scholars: April 2018
American Society for Gravitational and Space Research Conference: October 2017