Emma Hopson

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EDUCATION

University of Colorado Boulder, College of Engineering and Applied Science   **Boulder, CO**

Bachelor of Science in Creative Technology and Design   *Expected Graduation: May 2024*

Honors Engineering, Engineering Leadership Certificate

GPA: 3.951

Skills: C++, HTML, JavaScript, React, MATLAB, Arduino, 3D CAD Modeling, Microsoft Office tools, UX/UI

WORK EXPERIENCE

NASA Colorado Space Grant Consortium   **Boulder, CO**

Great Lunar Expedition for Everyone Program Manager   *March 2023 to present*

- Coordinates program of 34 employees which includes 1 lunar payload project, 1 high altitude balloon project, 3 global STEM engagement projects, and 1 state-wide summer internship program
- Increased partnerships by 600%
- Manages the program's multi-thousand dollar budget across 8 teams
- Hiring manager for all projects
- Implemented project management organizational tools for tracking milestones and goals
- Designed and led a new summer internship program for students across the state of Colorado

Great Lunar Expedition for Everyone Global Engagement Project Lead   *September 2020 to March 2023*

- Led the Global STEM Engagement project within program
- Oversaw project deadlines and progress
- Planned and hosted a global workshop with over 2,000 participants from 30 countries
- Planned and hosted a 20-team workshop with teams across the United States
- Created educational modules for both workshops to teach students about lunar science
- Created a global brand for the entire program

University of Colorado Boulder, Creative Technology and Design Department   **Boulder, CO**

ATLAS 2100: Learning Assistant   *January 2023 to May 2023*

- Taught a recitation section for the course
- Held office hours to assist students with learning
- Attended weekly team meetings with the professor

Colorado Technology Student Association   **Colorado**

State Officer Team Program Manager   *June 2020 to March 2022*

- Coordinated the State Officer Program across the state of Colorado
- Led the State Officer team in leadership development
- Created a leadership curriculum to teach relevant 21st Century Leadership Skills
- Worked with the State Advisor to manage events and State Officers
- Organized team Program of Work and important deadlines
- Mentored students through school and personal challenges

LEADERSHIP EXPERIENCE

Alpha Phi, Beta Gamma Chapter   **Boulder, CO**

Executive Administrator   *December 2021 to December 2022*

- Worked with team to develop a strong membership program
- Maintained the administrative app for members

- Managed sorority member roster
- Worked with President to ensure all departments were properly supported
- Helped Vice President of Membership Recruitment with all recruitment related events
- Attended the Disney Leadership Institute for leadership education

Technology Student Association   **United States**
National Level; Treasurer   *2018 to 2019*
- Led the organization of over 250,000 people
- Published blogs and articles
- Ran national conference activities
- Traveled to Washington, DC to advocate for Career and Technical Education at the Department of Education
- Led leadership sessions at the national conference
- Continued work with the Colorado State team

Technology Student Association   **Colorado**
State Level; Treasurer 2017 to 2018; Officer-at-Large, 2018 to 2020   *2016 to 2020*
- Presented to 15 schools in order to help start or strengthen the chapter
- Gave keynote speeches for business/engineering/education organizations
- Created a scholarship program and raised over $4,000 for the scholarships
- Trained members in leadership from across the state at regional conferences
- Created a relationship between TSA and Wings Over the Rockies Museum
- Created and led three state-level committees (social, scholarship, community service)

AWARDS, HONORS, SCHOLARSHIPS AND ORGANIZATIONS

Engineering Leadership Program   **University of Colorado Boulder**
Fellow   *2023-2024*
- Part of the inaugural year of the fellowship program
- Researching Complexity Theory in relationship to leadership decision practices
- Will complete a research paper and presentation

Tau Beta Pi Engineering Honor Society   **University of Colorado Boulder**
Member   *Initiated 2021*
- Received invitation for being in the top $1/8^{th}$ of juniors in Aerospace Engineering

Space Grant Scholarship - Engineering   **University of Colorado Boulder**
NASA Colorado Space Grant Consortium   *2023-2024*
- Selected for going above and beyond all expectations for the Great Lunar Expedition for Everyone Program

Ollada Memorial Scholarship - Engineering   **University of Colorado Boulder**
College of Engineering and Applied Sciences   *2020-2024*

Presidential Scholar Semifinalist (Career and Technical Education)   **United States of America**
United States Department of Education   *2020*
- Nominated by the Colorado State Chief State School Officer
- Demonstrated academic achievement in a career and technical program

The Alvin A. Seher Officer Recognition Memorial Award   **National Harbor, MD**
National Technology Student Association Inc.   *2019*