

Jasper Bayless

Mechanical Design Engineer

- jasperbayless@gmail.com
- (707)791-9473

NASA Colorado Space Grant Consortium *Best Overall Autonomous Rover Award Winner 2025*

Summary

Third-year mechanical engineering student with strong leadership and technical experience. Proven success managing cross-functional robotics teams, designing CAD systems, and applying embedded systems in real-world projects.

Skills

- Experience with Arduino and Raspberry Pi
- Proficient in C++, Python, HTML, and Javascript
- Proficient with Google Suite, Fusion 360, Adobe Suite
- American Red Cross Certified for CPR
- Strong organizational and leadership skills
- Teambuilding and ability to work with others

References

Stephanie Beck - *Front Range Mathematics and Engineering Chair*
(724)679-8025 - stephanie.beck@frontrange.edu

Julie Kostka - *Calculus 2 Professor*
(512)365-4570 - julie.kostka@frontrange.edu

Derrick Clark - *General Manager Trader Joe's*
(619)889-7030

Experience

- **Good Machine Studio Engineering Intern**
Jan 2025 - Present
 - Ad Hoc project support in assembly, production, documentation, troubleshooting and servicing
- **Trader Joe's Crew Member**
Nov 2023 - April 2025
 - Demonstrated reliability, teamwork, and adaptability in a fast-paced retail environment.
- **Colorado Space Grant Consortium | Project Manager**
Aug 2024 – April 2025
 - Directed project timelines and ensured on-time completion of deliverables.
 - Provided cross-functional support across all team roles as needed.
 - Led the design and development of CAD models for the project.
 - Established connections with industry professionals to secure technical guidance and resources.
 - Contributed to the integration of advanced machine learning models into a physical robotic system.

Education

- **California Polytechnic, Humboldt |**
Arcata, CA | August 2025 - Present
Mechanical Engineering, BS
- **Front Range Community College |**
Boulder, CO | January 2024 - May 2025