

# JESSICA STOTT

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## Biography

Fueled by a passion for chemistry and its power to shape a more sustainable future, I've committed my academic career to deepen focus on energy innovation. I aim to drive real world impact, whether it be advancing renewable technologies at institutions like NASA or pushing boundaries in industry settings. This year, my goal is to graduate with honors, while advancing my independent research on quasi-solid-state electrolytes for zinc-ion batteries. Designed for durability in extreme environments and have promising applications in renewable energy storage for use in NASA's space exploration. As this is my first formal research proposal, I am eager to successfully execute this project and refine my skills in both experimental design and scientific communication.

Beyond graduation, I aspire to contribute to cutting edge work at institutions like NASA or national labs where I can apply my chemical expertise in real world challenges. I am equally drawn to interdisciplinary industry roles. My current internship reflects this as although I'm a chemistry major, I collaborate with engineers on technical projects, gaining system-level experience and reinforcing the versatility of my scientific training. This perspective fuels my ambition to develop technologies that are not only innovative, but also environmentally responsible.