

Princeton University
Princeton, NJ

Mechanical and Aerospace Engineering
Bachelor of Science - Engineering. June
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NASA Academy Research Project:
Searching for Life Underground:
Experiments with Drilling in Mars
Analog Terrains



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Education and Experience:

I'm a junior at Princeton University, majoring in Mechanical and Aerospace Engineering with a certificate in American Studies. The upper-class courses have been quite rewarding, as I enjoy participating in the hands-on aspect of engineering. This year, in my Engineering Design class, I worked in a team to design and build a search and rescue robot. Being involved in the design and manufacture process from start to finish was extraordinarily fulfilling, and I look forward to my courses on space flight and space design next year.

At some point during high school, I developed a strong interest in aerospace engineering. I spent the summer after graduation volunteering in a wind tunnel lab at the University of California at Davis. The following summer, I interned at Lucent Technologies: Optical Fiber Solutions in Norcross, Georgia. There, I worked with the Ribbon Manufacture Engineering group. I've always been interested in French language and culture, and during the summer of 2002, I had the opportunity to visit Europe for the first time. I worked as an intern at L'Ecole Nationale des Ponts et Chaussées in Marne la Vallée, France. More importantly, the fresh perspectives, the exposure to different approaches and opinions, the rich culture, the awe-inspiring sights, and the thrilling experience of traveling on my own made my summer both exciting and personally meaningful. I'm excited about my research this summer, as I am interested in the aerospace and mechanical engineering aspects of the search for life underground on Mars.

Extracurricular Interests:

Ever since childhood, music has been a huge part of my life. Being Music Director of the Princeton University Wildcats, an a cappella group, takes up a lot of my time these days. I'm also an Orange Key campus tour guide, and yes, I do walk backwards. I'm involved in a few engineering student groups on campus, and I also tutor at our Writing Center. For the past year, I have coached a class of middle school students participating in the Future Problem Solving Program. In the last couple of years, I have realized that I have a growing interest in teaching in the future. I've always loved working with kids, and all my recent extracurricular activities have a common theme: teaching, leading, or advising. With the shortage of qualified math and science teachers nationwide, I hope to be involved in public education and infuse my students with excitement for and interest in science and engineering.