

Alison Ling

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Graduate Institution: University of Colorado

Location: Boulder, CO

Graduate Discipline: Environmental Engineering

Hometown: Minneapolis, MN

Research Interests:

I plan to apply molecular biology and bioinformatics techniques to solve problems in environmental engineering scenarios. I am particularly interested in ameliorating microbially-induced corrosion processes and arresting the transfer of airborne disease. Additionally, I am interested in ecological theory and how it applies to the field of environmental microbiology. As molecular methods progress, we can observe increasingly more of microbial community complexity and I will leverage this ability to better understand microbial consortia that affect infrastructure or human health.

About me:

I just finished my first year of graduate school at the University of Colorado and have been involved in two different labs, one in molecular biology (Norm Pace) and one in environmental engineering (Mark Hernandez). I have spent the last year building skills related to air sampling, clone library building, and sequence analysis. Between undergrad and grad school, I took a year to travel Asia and undertook two research assistant positions in China and Switzerland. As an undergraduate, I was very involved in our school's Tau Beta Pi engineering honor society chapter and captain of my university's ultimate team. I am enthused about competitive ultimate Frisbee, playing the saxophone, distance running and biking, and baking.



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