Inquiries from prospective students

Undergraduate Students

If you are an undergraduate student at U of A who is interested in working with me please feel free to reach out to me via email. Before embarking on research, I generally expect that you have demonstrated *proficiency* in a few *upper-level* (300+) mathematics and statistics courses. While it is not reasonable to expect that you are an expert in an area, I also hope that you have special enthusiasm for a few *specific* areas of mathematics and statistics. It is even better if such areas are to some degree related to my research interests, which are outlined on my web page.

When you email me I ask that you please send me:

1. An acknowledgement that you have done your due diligence and have read this document. This can be achieved by including the text "permutohedron" in the email header.
2. Your most recent transcript.
3. Commentary on what areas interest you and why you find them exciting.
4. Any other relevant experience and skills that you have.

Master's and PhD Students

If you are a prospective graduate student that is interested in working with me I encourage you to apply here. Due to time constraints, I unfortunately cannot respond to most email inquiries before the graduate school application deadline. Please do not get discouraged. If you are admitted into the program I am more than happy to address any questions you may have.

If you choose to apply and wish to work with me here are a few tips for your application:

1. Describe some cutting-edge, statistical theory or methodology that fascinates you and outline some potential directions that you would like to work on. This is particularly important if you are a PhD applicant. The more *specific* the better. Stating that you are interested in mathematical statistics or machine learning is probably not specific enough. Do not worry; what you say on your application will not confine what research topics you end up working on. Also, do not worry if what you propose has some flaws. This is a normal part of doing research.
2. Mention my name somewhere it your application.
3. Connect your research interests with mine. As you will likely work on a topic related to one of my research interests, I want to know that there would be a topic that would be a good fit for you. A lot of my work involves applications of of geometry and abstract algebra to statistics. Any abstract mathematical background you have, while not necessary, is an asset.