



Summer Program in Research and Learning Victor Feagins, Statistics, 2022

Professional
Development

SUMMARY

In the summer of 2019 at American University I completed the Summer Program in Research and Learning (SPIRAL). The program consisted of lectures about combinatorics, guest speakers presenting their research, how to get into graduate school and our research. My group worked on Riordan Arrays. The goals of the research were to explore new arrays that no one has explored before and to see if properties still applied to the new arrays. Most of the mathematics was done on white boards and hand calculators. We wrote up our results in a math research paper. I thought the research was very interesting but because it was very abstract it is very hard to find a concrete application.



SPICES

The program involved professional development because it involved: collaboration with members of the group, maintain a work schedule, and delegating responsibilities

HERBS

Resilience because the program it was my first time living far away from home. I was learning about a field of math that I had zero experience in. And adjusting to living with dorm mates.

LEARNING OUTCOMES

I learned about project management by writing in a co-authored 25-page paper over a 7-week period. I learned about working in a team and making sure to delegate responsibilities.



IMPACT

All of us in the program came from different places in the country. This diverse group helped me grow personally because I was exposed to students with different values and backgrounds. When we weren't working, we would explore DC. We impacted the program, the supervisors said we were the best group in recent years. The reason because we all stuck together and helped each other in our research

ADVICE

I recommend taking a couple a calculus class Looking into the program and seeing what kind of work you will be doing and mentioning that in your application