

Tyler Yandt  
tyyandt@davidson.edu  
(253) 293-2541  
Phoenix, Arizona

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Dr. Stacey Riemer  
Director of the Center for Civic Engagement  
Davidson College  
405 N Main St.  
Davidson, NC 28035

Dear Dr. Riemer,

I am writing to express my interest in the Summer 2023 Community Research Fellows Position. Through the Davidson Math and Computer Science Newsletter, I was made aware of this fantastic opportunity. I believe that I would be an excellent fit for the position because I am interested in researching our surrounding community and providing meaningful statistics to the North Carolina School Board. Furthermore, I believe that I am qualified for the position based off the relevant coursework I have taken at Davidson.

This summer, I would be thrilled to support our local school board. In my Data Science and Society class, our final project was centered around an investigation of how poverty rates in the North Carolina affect education levels. I was part of a team that developed an R Dashboard that presented our findings. I am interested in pursuing a career in data analytics, and making a contribution to statistical analysis of North Carolina schools seems like a perfect avenue to explore that interest while making a social impact.

As I mentioned previously, I believe that the classes and projects that I have undertaken during my Davidson career have adequately prepared me for such a position this summer. I am majoring in Computer Science with a minor in Data Science. In my Data Science and Society course, I learned R and how to create dashboards to visualize data. Furthermore, I have experience in Python. Although I am not familiar with data scrapping, I am interested in developing a web scraper to automate data collection. These sorts of programs fascinate me, and I would love to have the opportunity to build one. My internship over the summer taught me how to struggle through something that I wasn't an expert on; working at the National Renewable Energy Lab, I learned a complicated JavaScript library, AngularJS, and used it to help my mentor improve her app. This shows that I can take something that I am unfamiliar with and learn how to use it. Lastly, I am currently enrolled in Social Statistics, so by the start of the internship, I will have experience in inferential and descriptive statistics.

I appreciate the opportunity to apply to such a position. The specific roles that I am interested in are building an automated data collection system and creating dashboards to visualize data. I believe that my course load, projects that I have completed, and my work ethic, qualify me for these roles. Thank you, and I hope to hear from you soon.

Best,  
Tyler Yandt