

## Professional Statement

My name is Trevian Lewis, and I am a rising sophomore attending Mississippi Valley State University, the educational oasis of the delta. I was born and raised right here in Mississippi and am very proud of being a southern child. As of this writing, I am majoring in computer science and hoping to one day work in the cybersecurity field or do something related. Technology has always caught my eye since I was young. Being born in 2001, I managed to see how technology shaped how we live today in 2021. I decided to choose computer science as a major because I want to be a part of something that a lot of ordinary individuals take for granted. Cybersecurity is a huge problem here in the United States compared to the rest of the world and I want to be a part of a community to help change that.

Before I attended college in Fall 2020, I knew some areas others do not have. I had knowledge and experience using Linux because I used Linux before to try it. I learned to use the Terminal and learned Linux-specific commands, which I learned are essential for working in tech environments. I also heavily use Windows and know how to use the OS very well. Mac OS is identical to Linux and I have used it before, but I am not native to using it. Besides that, I also like to tinker with things. I like taking apart electronics and putting them back together. I like seeing how things work and examining how they work. Technology always changes as time goes on and seeing the changes technology can bring piques my curiosity.

While in high school, I learned how to use the Microsoft Office suite of applications. I know how to make a professional PowerPoint, write a Word document, and write a spreadsheet in Excel. My math skills are not the best in the world, but I know some advanced math like Calculus and that is about it. My comprehensive skill on the other hand is very high and comprehending things at a high level is easy for me to understand. I am good at communicating with people and I know how to be professional and introduce myself.

In my first semester of college, I learned how to think critically when faced with problems while programming. It is very important to think critically so you can solve the problem that is being thrown at you. I also learned basic steps to forming a program using a flowchart to plan what I want the program to do. One of the first programming languages I learned was Raptor. It is a basic programming language that uses flowcharts to tell the computer how to execute the program. In my second semester, I learned the basics of C++ and learned it well. It is not perfect, but I can understand C++ and how to write simple to intermediate programs. I also consider C++ to be my primary programming language. I know about other languages like JavaScript and HTML, but I do not know about them.

During the 2021 Coding Institute by SGCI, I learned a few more important things related to computer science. I further learned more about Linux/Unix and sharpened some things I already knew. I learned a few more commands to add to the existing commands I already know. I learned about scientific gateways and how they are important to the scientific community. I also learned about High-Performance Computing (HPC) and how important they are to the scientific community. I also learned Python, which is the preferred language when building scientific gateways. My knowledge of Python is still very limited, but I feel with practice, I can get better and become pretty good at it. I also learned how to introduce myself better, I knew how to, but I feel I do it better now since joining The Coding Institute.

In the future, I hope I will be able to work in the cybersecurity field because I feel it is something I would be good at. Any job dealing with computer science would make me happy. Sure, the money is good, but I want a job where my coworkers are relatable. A job where the mood is always happy, and people are happy to work there. Good work culture is something I feel computer science jobs excel at because you are always learning something new to make the job even more exciting and engaging. I choose to want to work in cybersecurity because as I stated before, the United States cyberspace is criminally underwhelming. It is something that blows over an ordinary individual head and is not taken seriously. Other countries' governments hack our systems, recently our nation gas lines and elections. I want to be a part of a group to be able to prevent things like that from happening and to help keep everyday people safe from cyber-attacks.