A language that I know very well is C++. I’ve taken multiple classes where C++ was the language of choice including my Advanced C++ Datastructures and Algorithms course. I’ve also done a few personal projects in C++ where I created my own database with API interactivity and a fully working version of the board game Risk done entirely in C++. The point of all of this being that I’m very knowledgeable in coding in C++ and how C++ as a language works behind the scenes with the compiler and with the computer.

Now a language I know very little about even though I’ve coded extensively in it is Java. I know Java uses something called the Java Virtual Machine and that’s essentially how Java programs work. But, that’s the extent of my knowledge on Java. So for this paper I would like to take a deeper dive into Java and seeing how it functions. Especially in comparison to such a flexible and diverse language such as C++.