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Semester Project Paper - Ruby

Ruby is known for being flexible since programmers can make alterations to specific parts. Ruby follows the POLA, principle of least astonishment, which means it is a language made to behave in a less confusing way for experienced users. It also is a high level language meaning it is extracted far from the hardware interpretation with easy to read syntax making it easy for first time programmers. Ruby is an open source server side programming language that features dynamic typing, garbage collection, exception handling, operator overloading. Ruby is also one of the few operating languages that can do the same task in multiple methods.

Another programmer friendly feature ruby has is gems. Gems is Ruby's library which has many useful chunks of code. One library that has helped me throughout this project is the matrix library. It helped me access various areas of the matrix such as the transpose. Ruby can be connected to MySQL, Oracle, DB2 and Sybase. It can be used to develop internet and intranet programs. It can run on platforms like windows, Mac OS, and UNIX. Ruby was able to run on gl servers flawlessly with no makefiles required.

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Ruby is an object-oriented operating language released in 1996 and with its first stable version, 1.9.3, in 1998. it was created when Yukihiro Matsumoto and his colleague who desired to have a language that was like python but object oriented. It has been increasing in popularity especially after it's framework, Ruby on Rails, was helping programmers with web development.

In my experience coding with Ruby, I have noticed ruby to have a very similar coding style to python. It's code is very readable and has great memory management unlike C++. And because of its syntactically friendlier style of code, it requires fewer lines of code than some other languages. Since I am a more experienced programming, used to programming with C++, it felt a bit strange of how simple the syntax is. I found Ruby to be easier than the languages I have learned previously including python. Ruby has intrigued me to pursue using it more in the future. I would like to try out new projects using this programming language.

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Work Cited

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