

CS 314 Final Project Writeup

Scientific Calculator and Symbolic Derivative Calculator

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The motivation behind this project was to be more efficient at programming in Python. Initially, I was going to do a machine learning project in Python but later on I had trouble getting the data to train my software, so I had to find a different project from the ones Professor Ames listed. Programming a scientific calculator was something I had done before, so to make it more challenging I decided to make a symbolic derivative calculator which also graphs the functions.

After deciding the project idea and what I wanted to do, the main difficulty I had was to decide on which modules to use for my project and how quickly I can learn them. I found some really useful modules and began to learn them while programming the project. After that, everything went really smoothly.

Overall this project was really fun. It allowed me to choose something I really wanted to do and learn at the same time. I really enjoyed this course and the things I have learned throughout this semester.