

# Illustrating Data Structure and Algorithms using Penrose

## REFLECTIVE ESSAY

*CISC499 Winter 2024*

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Overall, I did accomplish what the project originally intended. I wrote a python script that could generate substance files, and created corresponding style, domain, and demonstrations. So, for that reason, I think it went well. However, the more I learned about Penrose and how it could be used; the more I saw the possible applications and what other people were doing with it. This is a solid foundation for a side-project if I choose to learn what a JavaScript is and how to website. The Penrose editor examples, and documentation section of the website were the best resources for learning Penrose. Specifically, looking at the examples and how each aspect was drawn, then seeking further explanation of the features in the docs. This was an interesting project topic with a lot of potential and I'm particularly interested in seeing what other people accomplished.

This project was individual, so the accomplished tasks will just be listed here.

1. Array Style and Domain files
2. Binary Search style file
3. Stack style file
4. Substance generation script
5. Demo script
6. Example substance files
7. Example images
8. Poster
9. Report