Catalog for Computation Graph Viz

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1 SOURCE CODE

The source code for my project is in this Github repository. The README includes instructions for running locally however this is not necessary for using the application since it is hosted on the internet.

2 HOSTED WEB APP

The visualization web app can be viewed here.

3 TESTING SCRIPT

This is a list of steps that can be followed to test my app.

1. Go to https://mikedalton.co/computation-graph-viz/
2. Either use the default equation selected or choose another one in the "Equation" column
3. In the "Computation Graph" column, you can click on the edges. This will highlight the terms in the backpropagation section that this edge represents.
4. In the "Backpropagation" column, you can click on the derivative terms. This will highlight the edges that are used in the calculation of this term and the other occurrences of this term in the backpropagation equations.

There's a video demo included in my final presentation that can be viewed if you prefer a visual explanation of the features.