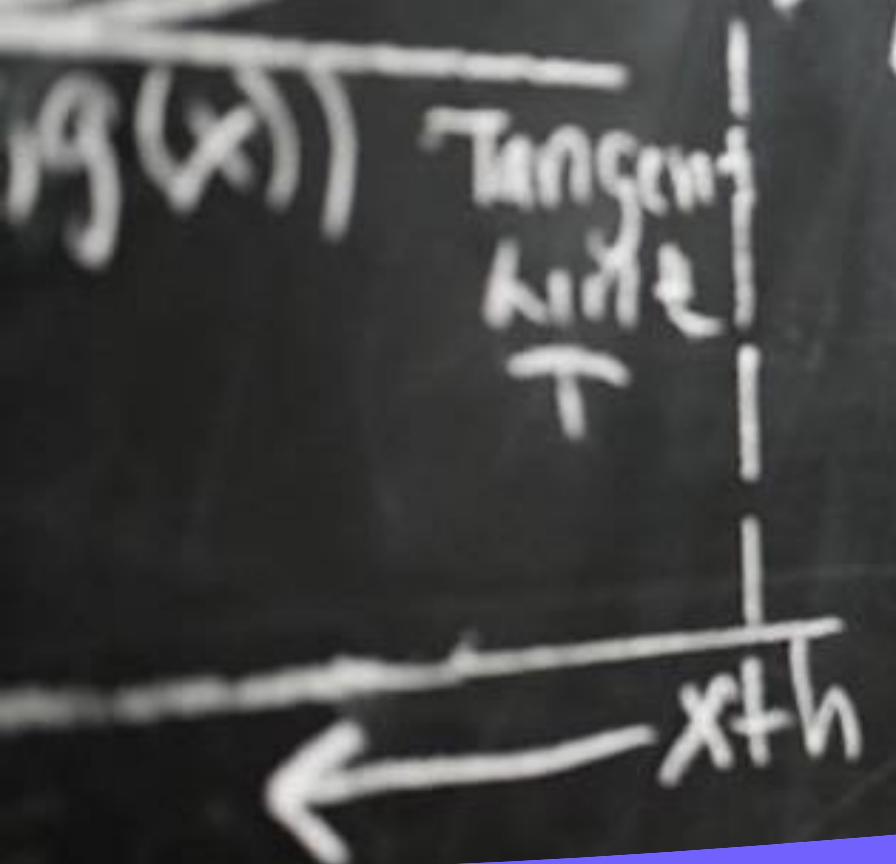
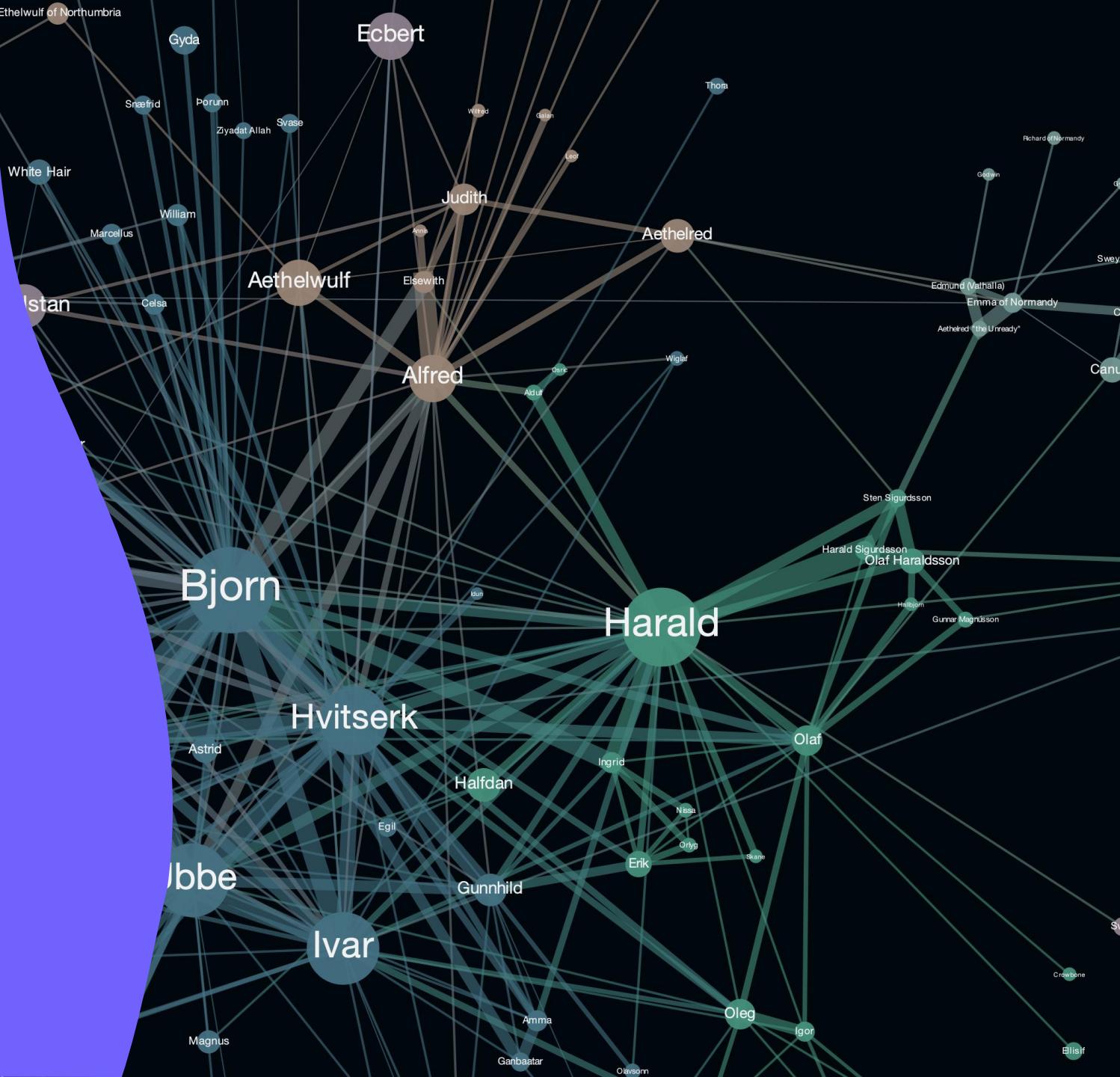


Finding Transformer Circuits with Edge Pruning (NeuRIPS 2024)

By: Group 4


$$f'(x) = \lim_{h \rightarrow 0} \frac{(x+h)^2 - x^2}{h} = \frac{1}{2x}$$
$$= \lim_{h \rightarrow 0} \frac{x^2 + 2xh + h^2 - x^2}{h}$$
$$f'(x) = \lim_{h \rightarrow 0} \frac{2xh + h^2}{h}$$

Pitfalls of Other Methods



High Level Overview of Our Method



Working of Masking System

Lagrangian Sparsity Enforcement



Loss Function

$$\alpha^0 = 1 [\alpha_0]$$

cif

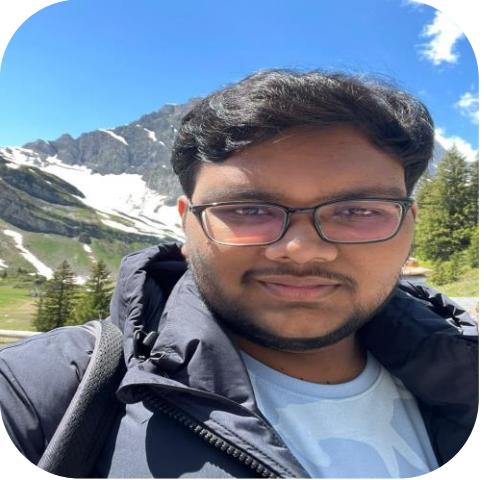
tanh

$\sin(x) = \tan(x)$

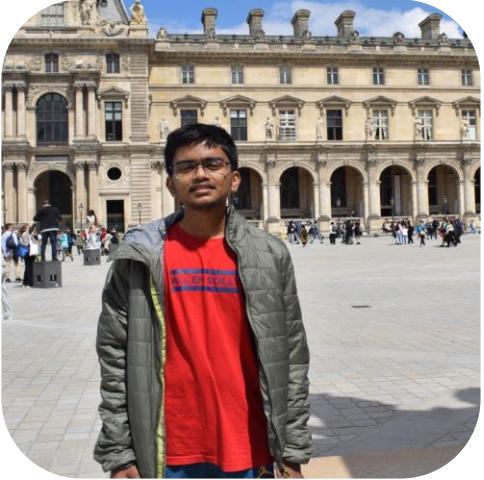
arcsin

Code Walkthrough





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THANK YOU

