As we discussed the visualisation project will involve extending a project from last year to use with the tool Hobbit we are implementing at the moment. Last year's project used another verification tool called "pifra" as the backend equivalence verification tool.

The Hobbit tool paper: https://icfp21.sigplan.org/details/mlfamilyworkshop-2021-papers/1/Hobbit-A-Tool-for-Contextual-Equivalence-Checking-Using-Bisimulation-Up-to-Technique
The presentation from that paper: https://www.youtube.com/watch?v=oj1JFIB4VVY
A longer version of the Hobbit paper with more focus on the theory: https://arxiv.org/pdf/2105.02541.pdf
A public Hobbit repo: https://github.com/LaifsV1/Hobbit

Previous visualisation project is attached.