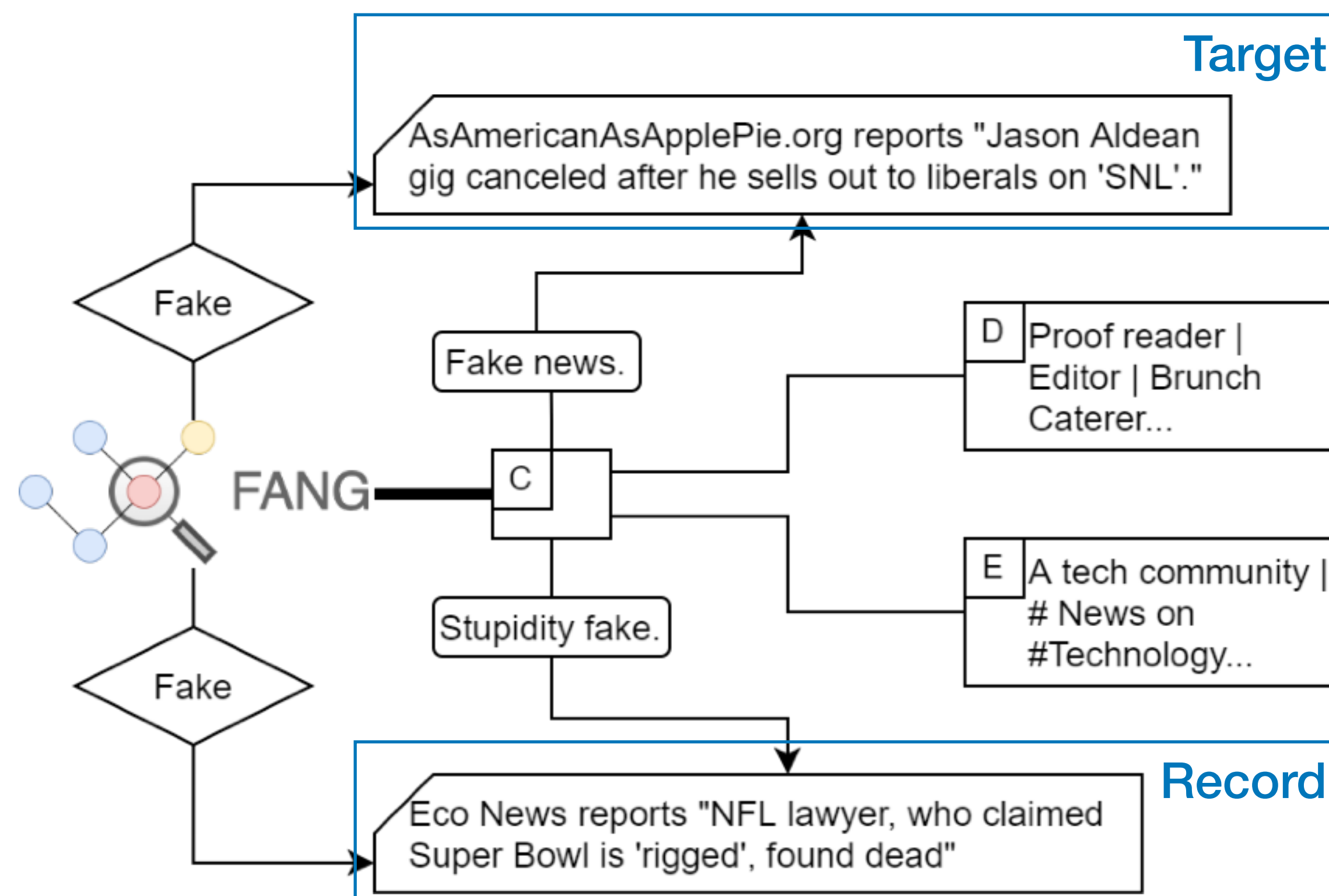


Discussion

Microscopic Analysis

- FANG pays most attention to a tweet by user C.
- Although this profile does not provide any description, it has a record of correctly denying the fake news about the dead NFL lawyer.
- Furthermore, the profiles that follow Twitter user C, namely user D and user E, have credible descriptions of a proof reader and of a tech community, respectively.
- This explains why our model bases its prediction of the news being fake thanks to the reliable denial, which is again the correct label.



Conclusion

- Presented the **advantage of graphical representation of social context** in fake news detection
- Proposed FANG that enhances representation quality by capturing the rich social interactions between users, articles and media.
- Demonstrate the benefits of **stance detection** & **proximity modeling** objective
- Experiments show the efficiency of FANG with **limited training data** and its capability distinctive temporal pattern with a highly explainable **attention mechanism**.