Fake News Detection

In this project, we aim to build a machine learning model for fake news detection by utilizing the large amount of news articles available on the internet and social media. News articles are labeled as “real” or “fake” and each article is represented by a set of words and has publisher information. The machine learning approach will learn the features of articles to distinguish “real” and “fake” news. Instead of simply relying on the content of an article, we will learn the credibility of publishers to predict the label of his/her articles. The advantage of this method is that even if the publisher tries to hide the “fake” nature of its article by modifying the article content, we can still detect the actual label of the article using the credibility of the publisher. The student will work with a graduate student on the project.

Desired qualifications:

• Interest in developing machine learning and NLP applications.
• Enjoy coding and hard working.
• Experience with deep learning open sources and libraries.
• Have taken machine learning and NLP courses.

Interested students are asked to email applications (resume and transcript) directly to Ke Wang, email address: wangk@sfu.ca.