QI JIA (JERRY) SUN

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PROGRAMMING LANGUAGES

Java, Python, HTML, CSS, MATLAB, R, LaTeX

PROJECTS

A Machine Learning Analysis of Features in Deceptive and Credible News
Fake news is a pervasive crisis in the media. Over the past two years, mass communication via social media has magnified the impact and influence of misinformation. This project seeks to find a machine learning classifier that can determine the validity of news based on the word distributions and specific linguistic and stylistic differences of the first few words. Using this classifier, the linguistic and stylistic features of fake news were also identified.

WORK EXPERIENCE

SFU Computational Linguistics Lab   June 2018-Present
Research Assistant

Collaborated with Prof. Maite Toabada and Dr.Fatemeh Torabi Asr on a fake news classification project. I worked in a 10 person team and researched topics in negation and sentiment analysis. I noticed an error in the labels of the validity of news which prompted the team to change the method of automated data collection. I also made contributions in data annotation and collection and was cited in this paper http://aclweb.org/anthology/W18-5502.

SFU Research with Prof. Veselin Jungic   April 2019 - Present
Research Assistant

Conducted research with Prof. Veselin Jungic on Van der Waerden's theorem, a branch of Ramsey Theory.

ACADEMIC ACHIEVEMENTS

Team Canada Top 30, Intel International Science and Engineering Fair (IISEF, the world's premier science fair competition); currently in contention for Top 8 and eligibility to compete at IISEF (May 2019)
International Geography Olympiad 2019 Participant 1 of 4 students representing Team Canada in the International Geography Olympiad in Hong Kong
National Top 20 and B.C. Champion in both 2017 and 2018, Canadian Geographic Challenge.
UBC Statistics Award 2019 Best statistics project at the Greater Vancouver Regional Science Fair for A Machine Learning Analysis of Features in Deceptive and Credible News
Greater Vancouver Regional Science Fair Bronze Medal (April 2018)

EDUCATION

Simon Fraser University   *September 2018 - Present*
Concurrent studies student
Burnaby Mountain Secondary School   *September 2015 - Present*
Secondary School Education   Overall GPA: 96.3