

JIE SU

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EDUCATION

Newcastle University, United Kingdom
PhD. Computer Science (ABD)

Sep. 2018- Present

University of Southampton, United Kingdom
Mater of Science in Data Science (with Distinction)

Sep. 2017- Nov. 2018

China Jiliang University, China
Bachelor of Engineering in Computer Science and Technology

Sep. 2013 - Jun. 2017

INTERNSHIP

Unlabelled Video Sentiment Analysis via Domain Adaptation
ITV Internship

Sep. 2019 - Nov. 2019
ITV Company, London, United Kingdom

· This project aims to leverage deep learning techniques to solve the video sentiment analysis challenge. By leveraging the existing well labelled sentiment analysis data, we design a framework that adapt transferable sentiment information to the unlabelled ITV movie or tv show (e.g., Chernobyl, Love island). The framework can produce sentiment score for future recommendation usage.

PUBLICATION

Qian, B., **Su, J.**, Wen, Z.[†], Jha, D.N., Li, Y., Guan, Y., Puthal, D., James, P., Yang, R., Zomaya, A.Y., Rana, O., Wang, L., Koutny, M., & Ranjan, R. (2020). Orchestrating the development lifecycle of machine learning-based iot applications: A taxonomy and survey. *ACM Computing Surveys (CSUR)*, 53(4), pp.1-47. [CCF A; Core A*]

Su, J., Wen, Z., Lin, T., & Guan, Y.[†] (2022). Learning Disentangled Behaviour Patterns for Wearable-based Human Activity Recognition. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (Ubicomp)*, 6(1), 1-19. [CCF A; Core A*]

Hong, Z., Li, X., Wen, Z., Zhou, L., Chen, H., & **Su, J.**[†] (2022). ESP Spoofing: Covert Acoustic Attack on MEMS Gyroscopes in Vehicles. *IEEE Transactions on Information Forensics and Security (TIFS)*, 2022, doi: 10.1109/TIFS.2022.3209552. [CCF A; Core A]

Sun, P.*, **Su, J.***, Wen, Z.[†], Suo, J., Hong, Z., Yu, S., & Zhou, H. (2022). Boosting Signal Modulation Few-Shot Learning with Pre-transformation. Submitted to *IEEE International Conference on Acoustics, Speech and Signal Processing. (ICASSP)* [In Peer Review] [CCF B]

Zhang, P.*, **Su, J.***, Bai, Y.*, Wen, Z., Long, Y.[†], Flow Enhanced Dual Transformer for Video Inpainting. Submitted to *IEEE International Conference on Multimedia and Expo. (ICME)* [CCF B] [In Peer Review]

Su, J.*, Sun, P.*, Wen, Z.[†], Suo, J., Hong, Z., Yu, S., & Zhou, H. (2022). A Simple Contrastive Pre-transformation Framework for Signal Modulation Few-shot Learning. Submitted to *IEEE Internet of Things Journal. (IOTJ)* [In Peer Review] [CCF B]

Su, J., Hong, Z.[†], Ye, L., Liu, T., Wen, Z., Liang, S., Ji, S., & Beyah, R. A. (2022). We Know What You Are Running: Inferring Programs Running on a Computer by the AC Power Side-Channel. Submitted to *Computers & Security. [In Peer Review]* [CCF B; Core B]

[†]indicates the corresponding author

*indicates equal contribution