Hamed Jelodar

CONTACT

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EDUCATION

Visiting Researcher in Computer Science — Jan 2021 — Dec 2021

Dalhousie University, Halifax, Canada

PHD in Computer Science and technology — Sep 2015 — July 2021

Nanjing University of Science and Technology, Nanjing, China

Thesis: “Latent discovery and Semantic mining based on NLP for recommendation systems”.

MS in Software Engineering — Sep 2012 — July 2014

Tehran Science and Research, Booshehr Brunch, Iran

Thesis: Isolation of Persian Language Advertising Websites based on an intelligent approach to Search Quality

INTERESTS

Natural language processing
Healthcare Informatics
Information Retrieval
Healthcare Electronic Records
Machine/Deep Learning

PUBLICATION

Recent Papers [2017-2021]

Jelodar, H., Wang, Y., Orji, R. and S. Huang, "Deep Sentiment Classification and Topic Discovery on Novel Coronavirus or COVID-19 Online Discussions: NLP Using LSTM Recurrent Neural Network Approach," in IEEE Journal of Biomedical and Health Informatics, vol. 24, no. 10, pp. 2733-2742, Oct. 2020, doi: 10.1109/JBHI.2020.3001216.

Jelodar, H., Orji, R.,Matwin, S., Weerasinghe, S., Oyebode, O., Wang, Y., "Artificial Intelligence for Emotion-Semantic Trending and People Emotion Detection During COVID-19 Social Isolation". https://arxiv.org/abs/2101.06484

Jelodar, H., Wang, Y., Rabbani, M. et al. A NLP framework based on meaningful latent-topic detection and sentiment analysis via fuzzy lattice reasoning on youtube comments. Multimed Tools Appl (2020). https://doi.org/10.1007/s11042-020-09755-z

Jelodar, Hamed, Yongli Wang, Ahamdreza Vajdi, Mahdi Rabbani, Ruxin Zhao, Lynda Boukela, and Hao Li. "A hybrid-fuzzy system via topic model for recommending highlight topics of CQA in developer communities." *Journal of Circuits, Systems and Computers* (2020).

Jelodar, H., Wang, Y., Rabbani, M., Xiao, G., & Zhao, R. (2020). A Collaborative Framework Based for Semantic Patients-Behavior Analysis and Highlight Topics Discovery of Alcoholic Beverages in Online Healthcare Forums. *J. Medical Syst.*, *44*(5), 101.

Jelodar, H., Wang, Y., Rabbani, M., Zhao, R. X., Ayobi, S., Hu, P., & Masood, I. (2020). Recommendation System based on Semantic Scholar Mining and Topic modeling: A behavioral analysis of researchers from six conferences. (Soft Computing), (Major Revision-Feb 2020) https://arxiv.org/abs/1812.08304

Jelodar, H., Wang, Y., Yuan, C., Feng, X., Jiang, X., Li, Y., & Zhao, L. (2017). Latent Dirichlet Allocation (LDA) and Topic modeling: models, applications, a survey. *Multimedia Tools and Applications*. Springer, 1-43. https://doi.org/10.1007/s11042-018-6894-4

Jelodar, Hamed, Yongli Wang, Gang Xiao, Mahdi Rabbani, Ruxin Zhao, Seyedvalyallah Ayobi, Peng Hu, and Isma Masood. "Recommendation system based on semantic scholar mining and topic modeling on conference publications." *Soft Computing* (2020): 1-22.

Jelodar, H., Wang, Y., Yuan, C., & Jiang, X. (2017, October). A systematic framework to discover pattern for web spam classification. In *Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2017 8th IEEE Annual* (pp. 32-39). IEEE.

Rabbani, Mahdi, Yong Li Wang, Reza Khoshkangini, Hamed Jelodar, Ruxin Zhao, and Peng Hu. "A hybrid machine learning approach for malicious behaviour detection and recognition in cloud computing." *Journal of Network and Computer Applications* 151 (2020): 102507.

Jiang, X., Hu, P., Li, Y., Yuan, C., Masood, I., Jelodar, H., ... & Wang, Y. (2018). A survey of real-time approximate nearest neighbor query over streaming data for fog computing. *Journal of Parallel and Distributed Computing*, *116*, 50-62.

Zhao, R., Wang, Y., Hu, P., Jelodar, H., Yuan, C., Li, Y., ... & Rabbani, M. (2019). Selfish herds optimization algorithm with orthogonal design and information update for training multi-layer perceptron neural network. *Applied Intelligence*, 1-43.

Other Papers [2014-2016]

Jelodar, H., Mirabedini, S. J., & Harounabadi, A. (2015). Provide a solution to isolate and identify web of advertising Persian: Web annoying. Procedia Computer Science, 57, 411-417.

Jelodar, H., Mirabedini, S. J., & Harounabadi, A. (2015, April). Evaluation and Analysis of Popular Decision Tree Algorithms for Annoying Advertisement Websites Classification. In Communication Systems and Network Technologies (CSNT), 2015 Fifth International Conference on (pp. 1025-1029). IEEE.

Kazerooni, A. A., Jelodar, H., & Aramideh, J. (2015). Leach and heed clustering algorithms in wireless sensor networks: a qualitative study. Advances in Science and Technology Research Journal, 9(25).

Jelodar, Hamed, Seyed Javad Mirabedini, and Ali Haroonabadi. "Presenting a Fuzzy System for Identifying Persian Advertising Websites." Modern Applied Science , no. 1 (2014): 129.

Jelodar, H., & Aramideh, J. (2014). Common techniques and tools for the analysis of open source software in order to detect code clones: A study. International Journal of

Electronics and Information Engineering, 1(2), 64-69.

Jelodar, H., & Aramideh, J. (2014). COMPARISON AODV AND DSDV ROUTING PROTOCOLS WITH USING FUZZY LOGIC IN THE MANET. Advances in Science and Technology Research Journal, 8(22), 19-25.

Aramideh, J., & Jelodar, H. (2014). Application of fuzzy logic for presentation of an expert fuzzy system to diagnose anemia. Indian Journal of science and technology , 7(7), 933-938.

WEB/DESK/MOB APPLICATIONS

- A smart web application for uploading and downloading services [https://github.com/JeloH/AppDownloadWeb_Manag]
- A smart desktop application for sending and managing email by IMAP [https://github.com/JeloH/EmailSender_C-]
- A desktop application to manage personal information for registering in institutions [https://github.com/JeloH/RegisterManagment]
- A mobile application to learn English for children Android/java[https://github.com/JeloH/Koosha]
- A mobile application for relaxing children in nights, entertainment software [https://github.com/JeloH/BRelax]

RESEARCH DATASET

Qagi(https://github.com/JeloH/Qagi)
PatientsQA (https://github.com/JeloH/PatQA)
DBLP_8conference (https://github.com/JeloH/Dataset_DBLP)

REFEREE SERVICES

ACM Transactions on Knowledge Discovery from Data
ACM Computing Surveys / Language Resources and Evaluation
Telematics and Informatic /Journal of Supercomputing
Journal of Central South University /IEEE Access /IJDSN SAGE Journal
Journal of Internet Services and Applications / Informatics in Medicine Unlocked
IEEE Biomedical and Health Informatics / Journal of Information Technology & Decision Making
Social Network Analysis and Mining / IEEE Internet of Things Journal

HONORS AND AWARDS

- Digital Scholarship Fellow at Electronic Textual Cultures Laboratory (ETCL), University of Victoria, Canada

- Awarded on year ACM professional membership (Reviewing research papers for ACM's journals).

- Nanjing Municipal Government-Nanjing University of Science and Technology Joint Scholarship' Postgraduate FULL Scholarship

- National Natural Science Foundation of China under Grant 61170035 and 61272420 Jiangsu Province (Grant No. BA2013047)

- National Natural Science Foundation of China (61170035, 61272420, 81674099, 61502233), the Fundamental Research Fund for the Central Universities (30916011328, 30918015103), and Nanjing Science and Technology Development Plan Project

(201805036).

ENVIRONMENTS AND IDE	PyCharm/Matlab/Visual Studio/Eclipse NetBean/Android Studio/R Studio/ Weka/Mallet Topic Modeling/NLTK Clouds (Colab, CoCalc)
PROGRAMMING SKILL'	Python/C#/.Net/C++/Asp.net Android/Java/SQL query
ACADEMIC PAGES	https://scholar.google.com/citations?user=d77wRGMAAAAJ&hl=en&oi=ao https://www.researchgate.net/profile/Hamed_Jelodar https://dblp.org/pid/209/9876.html
REFERENCES	Yongli Wang, School of Computer Science and Engineering, Nanjing University of Science and Technology, Email: wyl_seu@126.com, yongliwang@njust.edu.cn Mahdi Rabbani, School of Computer Science, Nanjing University of Science and Technology, Email: rabbani@njupt.edu.cn