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出生: 1989 年



工作岗位

2021 年 - 现在，副教授，计算机工程学院，集美大学，厦门，中国

2016 年 - 2021 年，讲师，计算机工程学院，集美大学，厦门，中国

专业领域

健康中的人工智能；时序预测；知识表示；推荐系统

教育经历

2011 年 - 2016 年，计算机科学博士，华东师范大学

2007 年 - 2011 年，计算机科学学士，集美大学

研究经费

(1) 福建省科技厅，自然科学基金面上项目，2022J01335，基于多组学融合的

药物筛选模型研究，2022/08-2025/03，在研，参与（排名第二）

(2) 福建省科技厅，自然科学基金面上项目，2021J01859，传染病预测的可解

释性研究，2022/08-2024/08，在研，主持

(3) 福建省教育厅，中青年教师教育科研项目，JAT200277，基于时序融合的

传染病预测若干关键技术研究，2021/01-2023/12，结题，主持

- (4) 厦门市科技局，产学研协同创新及科技合作项目，3502Z20193048，基于生成式对抗网络实现的模仿写稿机器人，2019/09-2021/12，结题，参与（排名第二）
- (5) 福建省科技厅，自然科学基金面上项目，2019J01713，面向异构数据融合的传染病预测预报技术研究，2019/07-2022/06，结题，参与（排名第二）
- (6) 福建省科技厅，自然科学基金面上项目，2018J01539，面向社交影响力的个性化推荐模型研究，2018/04-2021/04，结题，主持

荣誉和奖励

- (1) IEA/AIE 2022 – Best Special Session Paper Award

讲授课程

- (1) 数据分析和数据挖掘（Python），会计硕士
- (2) 机器学习，计算机本科生
- (3) 计算机导论，计算机本科生
- (4) C 程序设计，计算机本科生
- (5) 程序设计基础 Python，非计算机本科生
- (6) 数据结构，计算机本科生
- (7) 数据库理论，计算机本科生

发表和报告

期刊论文

- (1) Zhang, Peisong; **Wang, Zhijin^(*)**;Huang, Yaohui; Mingzhai Wang,[Dual-grained directional representation for infectious disease case prediction](#), Knowledge-Based Systems, 2022.09.02
- (2) Huang, Yaohui; Zhang, Peisong; Wang, Ziyang; Lu, Zhenkun^(*); **Wang, Zhijin^(*)**,

[HFMD Cases Prediction using Transfer One-step-ahead Learning](#), Neural Processing Letters 2022, 2022.04.05

- (3) **Wang, Zhijin**; Wang, Ziyang; Huang, Yaohui; Lu, Longquan; Fu, Yonggang^(*), [A Multi-view Multi-omics Model for Cancer Drug Response Prediction](#), Applied Intelligence 2022, 2022.03.11
- (4) **Wang, Zhijin**; Su, Qiankun^(*); Chao, Guoqing; Cai, Bing; Huang, Yaohui; Fu, Yonggang, [A Multi-view Time Series Model for Share Turnover Prediction](#), Applied Intelligence, 2022, 2022.01.14
- (5) Chen, Rongxin^(*); **Wang, Zhijin**; Su, Hang; Xie, Shutong; Wang, Zongyue, [Parallel XPath query based on cost optimization](#), The Journal of Supercomputing, 78:4 (2022) 5420-5449
- (6) **Wang, Zhijin**^(*); Cai, Bing, [COVID-19 cases prediction in multiple areas via shapelet learning](#), Applied Intelligence, 52:1 (2022) 595 - 606
- (7) Lyu Zhiliang^(#); **Wang, Zhijin**^(#); Luo, Fangfang; Shuai, Jianwei^(*); Huang, Yandong^(*), [Protein secondary structure prediction with a reductive deep learning method](#), Frontiers in Bioengineering and Biotechnology, 9 (2021) 687426
- (8) Wang, Ziyang; **Wang, Zhijin**^(*); Lin, Yingxian^(*); Liu, Jinming; Fu, Yonggang; Zhang, Peisong; Cai, Bing, [Prediction of HFMD Cases by Leveraging Time Series Decomposition and Local Fusion](#), Wireless Communications and Mobile Computing, 2021, 5514743
- (9) **Wang, Zhijin**^(*); Huang, Yaohui; He, Bingyan, [Dual-grained representation for HFMD prediction within public health cyber-physical systems](#), Software: Practice and Experience, 51 (2021), 2290-2305
- (10) **Wang, Zhijin**; Huang, Yaohui; Cai, Bing; Ma, Rui; Wang, Zongyue^(*), [Stock turnover prediction using search engine data](#), Journal of Circuits, Systems and Computers, 30:7 (2021) 2150122
- (11) **Wang, Zhijin**; Huang, Yaohui; He, Bingyan; Luo, Ting; Wang, Yongming; Fu, Yonggang^(*), [Short-Term Infectious Diarrhea Prediction Using Weather and Search Data in Xiamen, China](#), Scientific Programming, 2020, 2150122
- (12) He, Bingyan; Sun, Tao^{*}; **Wang, Zhijin**; Su, Kai, A [fine-grained analysis of time](#)

- reversal MU-MISO systems over correlated multipath channels with imperfect CSI, IEEE Access 6 (2018) 69516 – 69527
- (13) **Wang, Zhijin**; Chen, Kaimeng; He, Liang^(*), [AsySIM: Modeling Asymmetric Social Influence for Rating Prediction](#), Data Science and Pattern Recognition, 2018.6, 2:1 (2018) 25–40
- (14) **Wang, Zhijin**^(*); He, Liang, [User identification for enhancing IP-TV recommendation](#), Knowledge-Based Systems, 2016.4.15, 98:68-75
- (15) Wang, Yongming^(*); Gu, Junzhong; Zhou, Zili; **Wang, Zhijin**, [Diarrhoea outpatient visits prediction based on time series decomposition and multi-local predictor fusion](#), Knowledge-Based Systems, 2015.11, 88: 12-23
- (16) Wang, Yongming^(*); Li, Jian; Gu, Junzhong; Zhou, Zili; **Wang, Zhijin**, [Artificial neural networks for infectious diarrhea prediction using meteorological factors in Shanghai \(China\)](#), Applied Soft Computing, 2015.10, 35: 280-290

会议论文

- (1) Peisong, Zhang; **Wang, Zhijin**^{*}; Chao, Guoqing; Huang, Yaohui; Yan, Jingwen, [An Oriented Attention Model for Infectious Disease Cases Prediction](#), in: Proceedings of the 35th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, 2022.07.19-22, vol. 13343 (Best paper award)
- (2) **Wang, Zhijin**; Huang, Yaohui; He, Bingyan; Luo, Ting; Wang, Yongming; Lin, Yingxian^(*), [TDDE: HFMD outpatients prediction based on time series decomposition and heterogenous data fusion in Xiamen, China](#). In: Proceedings of the 15th International Conference Advanced Data Mining and Applications (ADMA), Dalian, China, 2019.12.21-2019.12.23, 658~667
- (3) **Wang, Zhijin**; Yang, Yan^{*}; Hu, Qinmin; He, Liang, [Anempirical study of personal factors and social effects on rating prediction](#), in: Proceedings of the 19th Pacific-Asia Conference on Advances in Knowledge Discovery and Data Mining, 2015, pp.747–758.
- (4) Yang, Yan; Hu, Qinmin; He, Liang; Ni, Minjie; **Wang, Zhijin**, [Adaptive temporal model for IPTV recommendation](#), in: Proceedings of the 16th International Conference on Web-Age Information Management, 2015, pp. 260–271.

- (5) **Wang, Zhijin**; Yang, Yan*; He, Liang; Gu, Junzhong, [Useridentification within a shared account: improving IP-TV recommender performance](#), in: Proceedings of the 18th conference on Advances in Databases and Information Systems, 2014, pp. 219–233.

专利申请

- (1) **王智谨**; 付永钢; 熊超; 庄良基,一种融合气象因素和搜索指数的手足口病预测方法,2020.07.20,中国, CN111415752A (发明专利)
- (2) **王智谨**; 黄耀辉; 付永钢,利用细粒度数据的手足口病预测方法、电子设备及介质, 2020.10.30,中国, CN111863276A (发明专利)
- (3) 王宗跃; 黄耀辉; 麻瑞; **王智谨**,股票交易数据的预测方法、装置、电子设备及介质, 2020.10.30,中国, CN111860998A (发明专利)
- (4) 熊超; 庄良基; 张迎金; 林溪; 付永钢; **王智谨**,关键词挖掘方法、装置、电子设备及存储介质,2020.06.02,中国, CN111222918A (发明专利)
- (5) 陈荣鑫; 王宗跃; 谢书童; **王智谨**; 陈杰,一种 XML 文档的流水线 XPath 查询方法、终端设备及存储介质,2021.03.19,中国, CN112528082A (发明专利)
- (6) 陈荣鑫; **王智谨**,一种 XML 文档的并行 XPath 查询方法、终端设备及存储介质, 2020-12-22,中国,CN112115302A (发明专利)
- (7) **王智谨**; 蔡兵; 陈荣鑫; 付永钢; 王宗跃,一种训练传染病预测模型的方法和装置,2021.03.26,中国, CN202011298182.7(发明专利)
- (8) 胡琴敏;林欣;**王智谨**^(*);陈晨,多媒体数据推送方法及装置,2014.5.10,中国,CN201510060615.8(发明专利)
- (9) 杨燕;**王智谨**^(*); 郝娟; 黄保荃; 陈昊; 裴逸钧, 一种基于多用户上下文识别的 IPTV 节目推荐方法, 2013.7.22, 中国, CN201310224437.9 (发明专利)

社会服务

Program Chair

- (1) EITCE 2022 (The 6th ACM International Conference on Electronic Information Technology and Computer Engineering)

Program committee member

- (1) ICONIP 2022 (The 29th International Conference on Neural Information Processing)
- (2) EITCE 2021 (The 5th ACM International Conference on Electronic Information Technology and Computer Engineering)
- (3) EITCE 2019 (The 3rd IEEE International Conference on Electronic Information Technology and Computer Engineering)

Workshop, special track or session organizer

- (1) Special Session on AI in Healthcare (AIH2021) -- The 34th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA/AIE 2021)

Reviewer for conferences

- (1) NeurIPS 2022 (The 36th Conference on Neural Information Processing Systems)
- (2) DSAA 2022 (The 9th IEEE International Conference on Data Science and Advanced Analytics)
- (3) IEA/AIE 2023 (The 36th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems)

- (4) IEA/AIE 2022 (The 35th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems)
- (5) FUZZ-IEEE2022 (at IEEE World Congress on Computational Intelligence 2022)
- (6) FUZZ-IEEE2021 (The 30th IEEE International Conference on Fuzzy Systems)
- (7) IALP2021 (The 17th International Conference on Asian Language Processing)
- (8) IALP2020 (The 16th International Conference on Asian Language Processing)
- (9) IALP2019 (The 15th International Conference on Asian Language Processing)

Reviewer for journals

- (1) Springer

Applied Intelligence, Multimedia Tools and Applications, Knowledge and Information Systems, Neural Processing Letters, Annals of Operations Research, Journal of Signal Processing Systems, Mobile Networks and Applications, Evolving Systems, International Journal of Data Science and Analytics

- (2) ACM

ACM Transactions on Sensor Networks, ACM Transactions on Internet Technology, ACM Transactions on Asian and Low-Resource Language Information Processing, ACM Transactions on Management Information Systems

- (3) Elsevier

Neurocomputing, Pattern Recognition Letters, Ad Hoc Networks, Microprocessors and Microsystems, Sustainable Energy Technologies and

Assessments, Physical Communication

(4) IEEE

IEEE Transactions on Neural Networks and Learning Systems, IEEE Transactions on Intelligent Transportation Systems, IEEE Journal of Biomedical and Health Informatics, IEEE Transactions on Industrial Informatics, IEEE Transactions on Computational Social Systems

(5) Wiley

Wiley Transactions on Emerging Telecommunications Technologies, Expert Systems

(6) Frontiers in Neuroscience, BMC Bioinformatics

王智谨于 2016 年毕业于华东师范大学计算机科学与技术系，获博士学位，现就职于厦门集美大学计算机工程学院。目前的研究兴趣包括健康/医疗保健中的人工智能、时间序列预测、知识表示和推荐系统。