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主要研究方向: 数据挖掘与知识发现、机器学习方法及其应用



刘淇, 男, 特任教授, 博士生导师, 中国计算机学会(CCF)大数据专家委员会委员、中国人工智能学会(CAAI)机器学习专委会委员、中科院青年创新促进会优秀会员、IEEE/ACM会员。2013年获得中国科学技术大学计算机应用技术专业博士学位。主要研究数据挖掘与知识发现、机器学习方法及其应用, 着重于针对用户行为数据(如消费数据、社交数据、教育数据)的分析建模和智能应用(如个性化推荐)研究。相关成果获得数据挖掘领域顶级国际会议KDD 2018最佳学生论文奖(Research Track)、IEEE ICDM 2011最佳研究论文奖、SDM 2015 最佳论文候选奖等。还曾获中科院院长特别奖和优秀博士学位论文奖、教育部自然科学一等奖(2018年, 排名第2), 入选了国家基金委优秀青年科学基金项目、中国科协“青年人才托举工程”&&CCF青年人才托举计划(2017年)、微软亚洲研究院青年学者“铸星计划”、CCF-Intel青年学者提升计划等。担任Frontiers of Computer Science青年AE, 是ICDE 2019 Workshop on RecSys with Big Data、ICDM 2015 MobileDM & HuMoComp Workshop 的共同主席, 是IEEE TKDE、ACM TKDD等10余个学术期刊的审稿人, 30余次担任IJCAI、KDD、AAAI、WWW、CIKM、ICDM、WSDM、SDM等重要国际学术会议的程序委员会委员或分会主席。主持了国家重点研发计划项目课题、国家自然科学基金面上项目等多项国家、省部级以及与微软、科大讯飞、腾讯、百度等企业的合作研究项目。

获奖情况:

2019年获阿里巴巴达摩院青橙奖

2018年获中科院青年创新促进会优秀会员
2018年获教育部高等学校科学研究优秀成果奖自然科学一等奖
2018年获中科大新创校友基金会“院长研究奖”
2018年获KDD 2018研究序列最佳学生论文奖
2017年入选中国科协“青年人才托举工程”
2017年获中科大“科学与社会”课程优秀论文导师奖
2016年获CCF-腾讯犀牛鸟科研基金优秀奖
2015年获Best of SDM 2015奖
2014年获中科院优秀博士学位论文奖
2013年获KSEM2013最佳论文奖
2013年获CCML2013优秀学生论文奖
2012年获博士生国家奖学金
2012年获中科院院长特别奖
2011年获ICDM2011最佳研究论文奖

主要论著:

- [01]Qi Liu, Zhenya Huang, Yu Yin, Enhong Chen, Hui Xiong, Yu Su, Guoping Hu. EKT: Exercise-aware Knowledge Tracing for Student Performance Prediction. IEEE Transactions on Knowledge and Data Engineering (IEEE TKDE).(Accepted)
- [02]Qi Liu, Shiwei Tong, Chuanren Liu, Hongke Zhao, Enhong Chen, Haiping Ma and Shijin Wang. Exploiting Cognitive Structure for Adaptive Learning. The 25nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'2019):627-635, Anchorage, Alaska, USA, 2019.
- [03]Qi Liu, Zai Huang, Zhenya Huang, Chuanren Liu, Enhong Chen, Yu Su, Guoping Hu, Finding Similar Exercises in Online Education Systems, The 24nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'2018):1821-1830, Stockholm, 2018.7.13-2018.7.19.
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- [05]Hongyuan Zhu, Qi Liu, Nicholas Jing Yuan, Chuan Qin, Jiawei Li, Kun Zhang, Guang Zhou, Furu Wei, Yuanchun Xu, Enhong Chen, XiaoIce Band:A Melody and Arrangement Generation Framework for Pop Music, The 24nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining(KDD'2018): 2837-2846, (Best Student Paper Award of Research Track), London, 2018.8.19-2018.8.23.
- [06]Qi Liu, Hongke Zhao, Le Wu, Zhi Li, Enhong Chen, Illuminating Recommendation by Understanding the Explicit Item Relations, Journal of Computer Science and Technology, 2018.7, 33(4): 739-755.
- [07]Qi Liu, Han Wu, Yuyang Ye, Dongfang Du, Chuanren Liu, Hongke Zhao, Patent Litigation Prediction: A Hybrid Modeling Approach, The 27th International Joint Conference on Artificial Intelligence(IJCAI'2018):5052-5059, Stockholm, 2018.7.13-2018.7.19.
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- [10]Qi Liu, Guifeng Wang, Hongke Zhao, Chuanren Liu, Tong Xu, Enhong Chen, Enhancing Campaign Design in Crowdfunding: A Product Supply Optimization Perspective, Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence(IJCAI'2017):695-702, Melbourne, Australia, 2017.8.19-2017.8.25.
- [11]Hongke Zhao, Qi Liu, Guifeng Wang, Yong Ge, Enhong Chen, Portfolio Selections in P2P Lending: A Multi-Objective Perspective, 22nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'2016), accepted, San Francisco, USA, August 13-17, 2016.
- [12]Qi Liu, Xianyu Zeng, Chuanren Liu, Hengshu Zhu, Enhong Chen, Hui Xiong, Xing Xie, Mining Indecisiveness in Customer Behaviors, The 15th IEEE International Conference on Data Mining (ICDM'2015): 281-290, Atlantic City, NJ, USA, November 14-17, 2015.
- [13]Le Wu, Qi Liu, Enhong Chen, Xing Xie and Chang Tan, Product Adoption Rate Prediction: A Multi-factor View, In Proceedings of 2015 SIAM International Conference on Data Mining (SDM'2015):154-162, (Best of SDM 2015), Vancouver, British Columbia, Canada, April 30-May 2, 2015.
- [14]Qi Liu, Enhong Chen, Hui Xiong, Yong Ge, Zhongmou Li, Xiang Wu, A Cocktail Approach for Travel Package Recommendation, IEEE Transactions on Knowledge and Data Engineering, 2014, 26(2):278-293.
- [15]Qi Liu, Zheng Dong, Chuanren Liu, Xing Xie, Enhong Chen, Hui Xiong. Social Marketing Meets Targeted Customers: A Typical User Selection and Coverage Perspective. The 14th IEEE International Conference on Data Mining (ICDM'2014):350-359, Shenzhen, China, December 14-17, 2014.
- [16]Qi Liu, Biao Xiang, Enhong Chen, Hui Xiong, Fangshuang Tang, Jeffrey Xu Yu, Influence Maximization over Large-Scale Social Networks: A Bounded Linear Approach, The 23rd ACM International Conference on Information and Knowledge Management (CIKM'2014) :171-180, Shanghai, China, November 3-7, 2014.
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- [20]Qi Liu, Yong Ge, Zhongmou li, Enhong Chen, Hui Xiong, Personalized Travel Package Recommendation. The 11th IEEE International Conference on Data Mining (ICDM'2011):407-416 (Best Research Paper), Vancouver, Canada, December 11-14, 2011.