Yanjun Li

Associate Professor
Department of Computer and Information Sciences
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RESEARCH INTEREST

Data Mining and Knowledge Discovery, Natural Language Processing, Text Mining, Information Retrieval, Ontology, Bioinformatics, Parallel and Distributed Computing.

EDUCATION

Ph.D. in Computer Science and Engineering   **June 2007**
   o   Wright State University
   o   Dissertation: *High Performance Document Clustering Algorithms*

M.S. in Computer Science   **August 2003**
   o   Wright State University

B.S. in Computer Science   **August 2001**
   o   Franklin University

B.S. in Economics   **July 1993**
   o   University of International Business and Economics, China

WORK EXPERIENCE

Associate Professor   **September 2013 – Present**

Department of Computer and Information Sciences, Fordham University

Assistant Professor   **September 2007 – August 2013**

Department of Computer and Information Sciences, Fordham University

Teaching Assistant   **September 2006 – June 2007**

Department of Computer Science and Engineering, Wright State University

Research Assistant   **June 2003 – June 2007**

Database Research Laboratory, Wright State University

PUBLICATIONS

JOURNAL PAPERS:

Yanjun Li, Congnan Luo, and S. M. Chung, "A Parallel Text Document Clustering Algorithm Based on Neighbors," Cluster Computing, Vol. 18, No.2, 2015, pp. 933 – 948.

Yanjun Li, D. Frank Hsu, and S. M. Chung, "Combination of Multiple Feature Selection Methods for Text Categorization by Using Combinatorial Fusion Analysis and Rank-Score Characteristic", *International Journal on Artificial Intelligence Tools (IJAIT),* Vol. 22, No.2, World Scientific, April 2013.

Yanjun Li, Congnan Luo, and S. M. Chung, "Weighted Naïve Bayes for Text Classification Using Positive Term-Class Dependency", *International Journal on Artificial Intelligence Tools (IJAIT)*, Vol. 21, No. 1, World Scientific, February 2012.

Congnan Luo**, Yanjun Li,** and S. M. Chung, "Text Document Clustering Based on Neighbors", *Data and Knowledge Engineering (DKE),* Vol. 68, No. 11, Elsevier Science, 2009, pp. 1271 – 1288.

Yanjun Li, Congnan Luo, and S. M. Chung, "Text Clustering with Feature Selection by Using Statistical Data", *IEEE Trans. on Knowledge and Data Engineering (TKDE),* Vol. 20, No.5, May 2008, pp. 641 – 652.

Yanjun Li, S. M. Chung, and John Holt, "Text Document Clustering Based on Frequent Word Meaning Sequences", *Data and Knowledge Engineering (DKE)*, Vol. 64, No. 1, Elsevier Science, 2008, pp. 381 – 404.

Yanjun Li and S. M. Chung, "Parallel Bisecting K-means with Prediction Clustering Algorithm", *The Journal of Supercomputing*, Vol. 39, No. 1, Springer, January 2007, pp. 19 – 37.

CONFERENCE Papers:

Kezheng Xiang, Zixing Zhang, Yuwen Wu, Luis San Lucas, Mohammad Ruhul Amin, **Yanjun Li,** "Identification of Hate Tweets: Which Words Matter the Most?" HCI International 2021, Washington D.C, July 24-29, 2021.

Yuran Pan, Qiangwen Xu, **Yanjun Li**, "Food Recipe Alternation and Generation with Natural Language Processing Techniques," the 36th IEEE International Conference on Data Engineering, workshop track DECOR, Dallas, Texas, April, 2020. (Best Student's Paper Award)

Catherine Gallagher, **Yanjun Li,** "Text Categorization for Authorship Attribution in English Poetry," Proc. Of Computing Conference 2018, IEEE CS Press, 2018, pp. 151 – 157.

Yanjun Li, Ningtao Shi, and D. Frank Hsu, "Fusion Analysis of Information Retrieval Models on Biomedical Collections", Proc. of the 14th International Conference on Information Fusion - Fusion 2011, IEEE CS Press, 2011, pp. 1 – 8.

Yanjun Li, D. Frank Hsu, and S. M. Chung, "Combining Multiple Feature Selection Methods for Text Categorization by Using Rank-Score Characteristics", Proc. of the 21st IEEE International Conference on Tools with Artificial Intelligence - ICTAI 2009, IEEE CS Press, 2009, pp. 508 – 517.

Christina Schweikert, **Yanjun Li**, David Dayya, David Yens, Martin Torrents and D. Frank Hsu, "Analysis of Autism Prevalence and Neurotoxins Using Combinatorial Fusion and Association Rule Mining", Proc. of the 9th IEEE International Conference on Bioinformatics and Bioengineering – BIBE 2009, IEEE CS Press, 2009, pp. 400 – 404.

John Holt, S. M. Chung and **Yanjun Li**, "Usage of Mined Word Associations for Text Retrieval", Proc. of the 19th IEEE International Conference on Tools with Artificial Intelligence - ICTAI 2007, Vol.2, IEEE CS Press, 2007, pp. 45 – 49.

Yanjun Li and S. M. Chung, "Text Document Clustering Based on Frequent Word Sequences", Proc. of International Conference on Information and Knowledge Management – CIKM 2005, ACM Press, 2005, pp. 293 – 294.

PROFESSIONAL ACTIVITIES

- Referee for Journals and Conferences, including, *IEEE Trans. On Multimedia, International Journal on Artificial Intelligence Tools, IEEE Trans. on Knowledge and Data Engineering, Data Mining and Knowledge Discovery, Pattern Recognition Letters, Information Systems Frontiers, Data and Knowledge Engineering, Information Sciences,* IEEE International Conference on Tools with Artificial Intelligence, International Conference on Natural Computation, International Conference on Fuzzy Systems and Knowledge Discovery, Workshop on Feature Selection in Data Mining, and International Conference on Data Mining.

- Early Career Reviewer for National Institutes of Health from August 2011.

- Reviewer of Maryland Industrial Partnerships Program, June 2009.

- Web Chair of International Conference on Distributed Computing in Sensor Systems, June 18 – 20, 2018, New York City, New York.

- Session Chair of International Conference on Cyber Security 2015, January 5-8, 2015, New York City, New York.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2014, Nov. 10 – 12, 2014, Limassol, Cyprus.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2013, Nov. 4 – 6, 2013, Washington DC, U.S.A.

- Session Chair of International Conference on Cyber Security 2013, August 6-8, 2013, New York City, New York.

- Speaker at DIMACS Workshop on Algorithmic Aspects of Information Fusion (WAIF), In partnership with the European Commission Consortium ALGODEC, Nov. 8-9, 2012, New Jersey.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2012, Nov. 7 – 9, 2012, Athens, Greece.

- Program Committee Member of the 8th International Conference on Data Mining – DMIN'12, July 16-19, 2012, Las Vegas, Nevada.

- Session Chair of International Conference on Cyber Security 2012, January 9 - 12, 2012, New York City, New York.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2011, Nov. 7 – 9, 2011, Boca Raton, Florida.

- Program Committee Member of the 7th International Conference on Natural Computation and the 8th International Conference on Fuzzy Systems and Knowledge Discovery, July 26 – 28, 2011, Shanghai, China.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2010, October 27-29, 2010, Arras, France.

- Session Chair and Program Committee Member of International Conference on Cyber Security 2010, August 2 – 5, 2010, New York City, New York.

- Program Committee Member of Workshop on Feature Selection in Data Mining, PAKDD 2010, June 21 – 24, 2010, Hyderabad, India.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2009, November 2 – 4, 2009, Newark, New Jersey.

- Program Committee Member of the 6th International Conference on Fuzzy Systems and Knowledge Discovery – FSKD'09, August 14 – 16, 2009, Tianjin, China.

- Program Committee Member and Session Chair of the 5th International Conference on Data Mining – DMIN'09, July 13 -16, 2009, Las Vegas, Nevada.

- Session Chair of International Conference on Cyber Security 2009, January 6 -8, 2009, New York City, New York.

- Program Committee Member and Session Chair of IEEE International Conference on Tools with Artificial Intelligence - ICTAI 2008, November 3-5, 2008, Dayton, Ohio.

- Program Committee Member of IEEE International Conference on Tools with Artificial Intelligence – ICTAI 2007, October 29-31, 2007, Patras, Greece.

ADMINISTRATIVE SERVICE

- Summer Chair, Department of Computer and Information Science, Fordham University, July 2021 – August, 2021.

- Faculty Evaluation Committee of Arts and Sciences, Fordham University, September 2020 – Present.

- Associate Chair for Undergraduate Studies at Rose Hill, Department of Computer and Information Sciences, Fordham University, July 2020 - Present.

- Assessment Committee of Mathematical and Computational Reasoning (Core Curriculum), Department of Computer and Information Sciences, Fordham University, September 2019 – Present.

- University Research Council of Arts and Sciences, Fordham University, September 2019 – Present.

- Graduate Program Admission Committee, Department of Computer and Information Sciences, Fordham University, September 2019 – Present.

- Graduate Program Marketing Committee, Department of Computer and Information Sciences, Fordham University, September 2012 – Present.

- Assessment Committee, Department of Computer and Information Sciences, Fordham University, September 2012 – Present.

- Library Committee, Fordham University, September 2012 – December 2016.

- Associate Chair for Graduate Studies, Department of Computer and Information Sciences, September 2012 – October 2014.

- Director of Bioinformatics Program, Fordham University, January 2012 – June 2013.

- Colloquium Committee (Disciplinary and Interdisciplinary Talks), Department of Computer and Information Sciences, Fordham University, January 2012 – Present.

- Contact Person (Faculty Advisor), Advanced Certificate in Financial Programming, Department of Computer and Information Sciences, Fordham University, January 2010 – Present.

- Associate Chair for Graduate Studies, Department of Computer and Information Sciences, September 2009 – June 2010.

- Graduate Curriculum Committee, Department of Computer and Information Sciences, Fordham University, September 2009 – Present.

- Freshman Advisor, Fordham University, September 2008 – June 2009.

- Contact Person (Faculty Advisor), Advanced Biomedical Informatics Certificate Program, Department of Computer and Information Sciences, Fordham University, July 2008 – August 2013.

- Undergraduate Curriculum Committee, Department of Computer and Information Sciences, Fordham University, September 2007 – Present.

- System Committee, Department of Computer and Information Sciences, Fordham University, September 2007 – Present.

STUDENTS ADVISED

- Llyas Orazbek, 2021, Master's Thesis, "Improving SDG Classification with Topic Models and Combinatorial Fusion", Department of Computer and Information Sciences, Fordham University (Reader)

- Man Qin, 2021, Master's Thesis, "A New Approach to Predict Lupus Flare Level Using Calibrated Ensemble", Department of Computer and Information Sciences, Fordham University (Reader).

- Tong Wang, 2020, Master's Thesis, "Deep Learning Approaches for Deblurring Motion-affected Brain MRI Scans", Department of Computer and Information Sciences, Fordham University, (Reader).

- Hui Yuan, 2020, Master's Thesis, "Predicting Head Motions During Brain MRI Scans Using Deep Learning Models", Department of Computer and Information Sciences, Fordham University (Reader).

- Wu Yuxuan, 2018, awardee of FCRH Summer Research Grant, "Text Categorization for Authorship Attribution in English Poetry", Department of Computer and Information Sciences, Fordham University.

- Catherine Gallagher, 2017, Senior Thesis for Fordham College Rose Hill Honor Program, "Poetry Classification Analysis", Department of Computer and Information Sciences, Fordham University (Advisor)

- Erin M. Burke, 2015, Master's Thesis, "Combinatorial Fusion Analysis: Applications for Cyber Security and E-discovery", Department of Computer and Information Sciences, Fordham University (Reader).

- Tamer M. Aly, 2015, Master's Thesis, "Analysis of Dual Auditory Systems Using Combinatorial Fusion", Department of Computer and Information Sciences, Fordham University (Reader).

- Shaun Gallagher, 2014, Master's Thesis, "Smartphone Sensor Data Mining for Gait Abnormality Detection", Department of Computer and Information Sciences, Fordham University (Reader).

- Elena Paolercio, 2013, Master's Thesis, "On the Fusion of Two Visual Perception Systems Utilizing Cognitive Diversity", Department of Computer and Information Sciences, Fordham University (Reader).

- Cameron Mcmunn-Coffran, 2012, Master's Thesis, "Combining Visual Cognition Systems for Joint Decision Making Using Combinatorial Fusion", Department of Computer and Information Sciences, Fordham University (Reader).

- Ningtao Shi, 2010, Master's Thesis, "Fusion Analysis of Information Retrieval Models on Biomedical Collections", Department of Computer and Information Sciences, Fordham University (Advisor).

- Qiang Ma, 2008, Master's Thesis, "A Graph-Based Collaborative Approach to Recommender Systems", Department of Computer and Information Sciences, Fordham University (Reader).

COURSES TAUGHT

- **GRADUATE COURSES**
  - Data Mining
  - Database Systems
  - Advanced Database Systems
  - Natural Language Processing
  - Capstone Project in Data Analysis

- **UNDERGRADUATE COURSES**
  - Structures of Computer Science

- Discrete Structures
- Computer Science I/II
- Data Structures
- Computer Algorithms
- Information and Web Programming
- Computer and Data Analysis
- Database Systems
- Data Mining
- Bioinformatics