



Jingwen Wang

Jingwen Wang's curriculum vitae

Employment History

- Aug 2019 - Present **Assistant Professor**, *Elizabethtown College*,
One Alpha Dr, Elizabethtown, PA 17022, USA.
Department of Computer Science
- Sep 2012–May 2018 **Research Assistant**, *University of Massachusetts Lowell*,
One University Ave, Lowell MA 01854, USA.
Department of Computer Science
- Aug – Dec 2013 **Teaching Assistant**, *University of Massachusetts Lowell*,
One University Ave, Lowell MA 01854, USA.
Department of Computer Science

Education

- 2013–2019 **Ph.D., Computer Science**, *University of Massachusetts Lowell*, MA, USA.
Dissertation: Generating An Overview Report of Multilevel Structure over A Large Corpus of Documents
- 2011–2013 **MS, Computer Science**, *University of Massachusetts Lowell*, MA, USA.
- 2006–2010 **BS, Computer Science**, *Tianjin University of Science and Technology*, China.

Teaching Experience

- CS 121 **Computer Science I.**
The fundamental concepts of computer organization, machine-level representation of data, and Java programming, data types; arithmetic operators and assignment; input/output, selection and iteration constructs; procedural abstraction; arrays; object-oriented programming and class design; and library usage.
- CS 309 **Database Systems.**
The concepts and design of relational database systems, include the relational model, SQL, relational algebra, E-R model, functional dependency theory, and normal forms. This course also introduce non-relational database systems and database connectivity.
- CS 310 **Web Development.**
The concepts of programming for the World Wide Web, including relationship between clients and servers, how the internet works, and web pages are constructed, and building websites using HTML5, CSS, JavaScript, PHP, and SQL.

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- CS 341 **Software Engineering.**
Introducing the conceptual and practical aspects of process behind software engineering. The course covers requirements engineering, architecture and design patterns, testing and maintenance, and software quality.
- CS 400 **Project in Computing.**
An advanced research course for Computer Science majors.
- CS 495 **Honor Project in Computing.**
An advanced research course for Computer Science majors and a prerequisite for Honors in the Discipline.
- CS 113 **The Power and Beauty of Computing.**
The syntactic and execution of the Python 3 programming language, including data types, arithmetic operators and assignment, input/output, selection and iteration constructs.

Grant Proposal Experience

- SCARP 2020 Summer Scholarship, Creative Arts and Research and Planning (SCARP) Project, Elizabethtown College
Advisor, *Building a Secure Inter-institutional Data Sharing Platform with Blockchain*, June 2020 - Aug. 2020

Professional service

- Reviewer Virtual Clinical Informatics Conference (AMIA 2020)
- Reviewer IEEE International Conference on Machine Learning and Applications (ICMLA 2019)
- Reviewer The Clinical Informatics Conference (AMIA 2019)

Publications

- [1] Jingwen Wang, Hao Zhang, Cheng Zhang, Wenjing Yang, Liquan Shao, and Jie Wang. An effective scheme for generating an overview report over a very large corpus of documents. In *The 19th ACM Symposium on Document Engineering*. ACM, 2019.
- [2] Jingwen Wang and Jie Wang. Hierarchical topic clustering over large collections of documents. In *The 18th International Conference on Information & Knowledge Engineering*, 2019.
- [3] Jingwen Wang, Changfeng Yu, Wenjing Yang, and Jie Wang. Vocab learn: A text mining system to assist vocabulary learning. In *The 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K)*. IEEE, 2019.
- [4] Shengting Wu, Yuling Liu, Jingwen Wang, and Qi Li. Sentiment analysis method based on kmeans and online transfer learning. 2019.
- [5] Jie Wang, Hao Zhang, Wenjing Yang, Jingwen Wang, Yiqi Bai, and Ming Jia. Big data text automation on small machines. In *Big Data of Complex Networks*, pages 51–90. Chapman and Hall/CRC, 2016.
- [6] Liquan Shao and Jie Wang. (talk) dtatg: An automatic title generator based on dependency trees. In *Proceedings of the International Joint Conference*

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on *Knowledge Discovery, Knowledge Engineering and Knowledge Management*, IC3K 2016, pages 166–173. SCITEPRESS - Science and Technology Publications, 2016.

- [7] Jingwen Wang and Jie Wang. qread: A fast and accurate article extraction method from web pages using partition features optimizations. In *Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K), 2015 7th International Joint Conference on*, volume 1, pages 364–371. IEEE, 2015.
- [8] Yiqi Bai, Wenjing Yang, Hao Zhang, Jingwen Wang, Ming Jia, Roland Tong, and Jie Wang. Kwb: An automated quick news system for chinese readers. In *Proceedings of the Eighth SIGHAN Workshop on Chinese Language Processing*, pages 110–119, 2015.
- [9] Ming Jia, Hualiang Xu, Jingwen Wang, Yiqi Bai, Benyuan Liu, and Jie Wang. Handling big data of online social networks on a small machine. In *Journal of Computational Social Networks*, pages 2–5. Springer, 2015.

Honor & Awards

- May 2016 **Graduate Research Scholars Awards**, US Bank College of Sciences Deans, University of Massachusetts Lowell.
- May 2015 **Martin Schedlbauer CS Endowmen Award**: University of Massachusetts Lowell.
- Sep. 2014 **Excellence in Computer Science Award**: PM Raj Fund, University of Massachusetts Lowell.
- May 2012 **ACM Travel Award**: For travel expenses on attending ACM Special Interest Group on Management of Data Conference (SIGMOD).

References

- Dr. Sara Woods, Dean, Elizabethtown College School of Engineering, Math, and Computer Science
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