Jiangen He

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RESEARCH INTERESTS	▪ Information Visualization, Visual Analytics, Machine Learning, Text Mining ▪ Quantitative Studies of Science, Informetrics, Science Mapping, Open Science, Peer Review ▪ Socialness in Artificial Intelligence

EDUCATION

Drexel University, Philadelphia, USA
- Doctor of Philosophy in Information Studies   Sep 2014 – present
  - Dissertation topic: Predictive and Visual Analytics Studies of Scientific Development

Wuhan University, Wuhan, China
- Master of Management Science in Information Science   Aug 2010 – Jun 2012
  - Graduated with Outstanding Dissertation Award.

Nanjing Tech University, Nanjing, China
- Dual Bachelor in Business Administration & Computer Science   Sep 2006 – Jun 2010
  - Graduated with Honors and Outstanding Dissertation Award.

WORK EXPERIENCE

College of Computing and Informatics, Drexel University
- **Research Assistant**, Visual Analytics and Text Mining   Sep 2014 – present

Office of Portfolio Analysis, National Institutes of Health
- **Research Intern**   Jan 2017 – Jun 2017

Social Network Business Group, Tencent Inc
- **Front-end Development Engineer**   Jul 2012 – May 2014
  - Development of web games and web apps.

AWARDS

- **2019 ISSI Eugene Garfield Doctoral Dissertation Award ($3,000, Biennial Winner).** [*]
- 2019 *Publications* Travel Award ($850).[†]
- 2018 Drexel University ExCITe Center Research Funding Award ($5,000).
- 2018 Drexel University International Presentation Award ($750).
- 2016, 2017, 2018 Drexel University CCI Travel Award ($3,000).
- 2011, 2012 Wuhan University the First Prize Scholarship for Graduate Students.
- 2009 National Computer Design Competition for Chinese College Students, National First Prize.

PUBLICATIONS

Work in Progress

[1] "CiteFlow: Visually Understanding Convergence in Science"

[2] "Deep Learning for Predicting Scientific Growth by Semantic and Structural Changes"

[3] "Evaluative Aspects and Rhetorical Moves of Peer Reviews"

[4] "The Citations and Novelty of Papers with Conflicting Reviews"

Under Review

[1] Jiangen He, Changyang Feng, Yizhou Zang, Bo Song, and Wen Lou, "The Citations of Papers with Open Code in Computational Linguistics".

[2] Zhen Yang, Yanliu Huang, Barbara Kahn, and Jiangen He, "Understanding Consumer's Product Decisions when Shopping by Voice"

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[*]http://issi-society.org/awards/eugene-garfield-doctoral-dissertation-award/

[†]https://www.mdpi.com/journal/publications/announcements/1649

Journal Papers

[1] Jiangen He, Qing Ping, Chaomei Chen, Wen Lou, "PaperPoles: Toward Supporting Exploration of Citations Based on Evolving Information Needs," *Journal of the Association for Information Science and Technology*, vol. 70, issue. 8, pp. 843-857, 2019.

[2] Jiangen He, Chaomei Chen, "Temporal Representations of Citations for Understanding the Changing Roles of Scientific Publications," *Frontiers in Research Metrics and Analytics*, vol. 3, pp. 27, 2018.

[3] Jiangen He, Chaomei Chen, "Predictive Effects of Novelty Measured by Temporal Embeddings on the Growth of Scientific Literature," *Frontiers in Research Metrics and Analytics*, vol. 3, pp. 9, 2018.

[4] Wen Lou, Hui Wang, and Jiangen He, "Of the People for the People: Digital Literature Resource Knowledge Recommendation Based on User Cognition," *Information Technology and Libraries*, vol. 37, issue. 3, pp. 66–83, 2018 .

[5] Qing Ping, Jiangen He and Chaomei Chen, "How many ways to use CiteSpace? A study of user interactive events over 14 months," *Journal of the Association for Information Science and Technology*, vol. 68, issue. 5, pp. 1234–1256, 2017 .

[6] Wei Lu, Jiangen He, Xiaoguang Wang and Jiaxin Wu, "A Visualization Technique for Multidimensional Data with Hierarchical and Temporal Structure," *Journal of the China Society for Scientific and Technical Information*, vol. 31, no. 11, pp. 1131–1139, 2012.

Conference Papers

[1] Yuting Liao, Jiangen He, "The Effects of Racial Mirroring in Chatbot-Based Psychotherapeutic Conversation " *The 25th International Conference on Intelligent User Interfaces (ACM IUI 2020)*. Cagliari, Italy.

[2] Jiangen He, Wen Lou, and Kai Li, "How were science mapping tools applied? The Application of science mapping tools in LIS and non-LIS domains" *ASIST 2019*. October 19 - 25, 2019. Melbourne, Austrailia.

[3] Zhen Yang, Yanliu Huang, Barbara Kahn, and Jiangen He, "Voice or Click? How Shopping by Voice Influences Consumer's Product Choices" *2019 Association for Consumer Research Conference (ACR 2019)*. October 17 - 20, 2019. Atlanta, United States.

[4] Jiangen He, Chaomei Chen, "The Citations of Papers with Conflicting Reviews and Confident Reviewers" *ISSI 2019*. September 2 - 5, 2019. Rome, Italy.

[5] Zhen Yang, Jiangen He, YanLiu Huang, Barbara Kahn, "Understand Consumer Behavior and Product Decision Making in Voice-Assisted vs. Mouse-Click Shopping" *Theory + Practice in Marketing (TPM) Conference*. May, 2019. New York, United States.

[6] Yang Li, Chuanren Liu, and Jiangen He, "Do Recommendation from Friends Matter? Evidence from Video Game Platforms" *Northeast Decision Sciences Institute 2019 Annual Conference*. April 4-6, 2019. Philadelphia, United States.

[7] Jiangen He, Chaomei Chen, "Visualizing Temporal Patterns in Representation Data," *2017 Workshop on Visual Analytics for Deep Learning*. October 1, 2017. Phoenix, United States.

[8] Jiangen He, Chaomei Chen, "Understanding the changing roles of scientific publications via citation embeddings," *Proceedings of 2nd Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics*, pp. 42-48. October 16, 2017. Wuhan, China.

[9] Jiangen He, Chaomei Chen, "Spatiotemporal Analytics of Topic Trajectory," *Proceedings of the 9th International Symposium on Visual Information Communication and Interaction* , pp. 112-116. September 24-26, 2016. Dallas, Texas, United States.

Conference Posters

[1] Jiangen He, Kai Li, "How comprehensive is the PubMed Central Open Access full-text database?," *iConference 2019*. March 31- April 3, 2019. Washington D.C., United States.

[2] Jiangen He, "Deep Learning For Predicting Scientific Growth Trends," *14th International Conference on Knowledge Management*. November 9-10, 2018. Vancouver, Canada.

[3] Kun Lu, Wei Lu, Qikai Cheng, Shengwei Lei, Jiangen He, "A Visualization Tool for Topic Evolution Among Research Fields," *Proc. of International Society of Scientometrics and Informetrics Conference,* pp. 1063–1066, 2012.

REVIEWS
- *Publications*, 2019.
- *Journal of Information Science*, 2019.
- *iConference*, 2019, 2020.
- *Society for Consumer Psychology Annual Meeting*, 2019.
- *Scientometrics*, 2018.
- *KSII Transactions on Internet and Information Systems*, 2018.
- *Journal of the Association for Information Science and Technology*, 2018.
- *Information Visualization*, 2016, 2017, 2018.
- *Frontiers in Research Metrics and Analytics*, 2018.
- *IEEE Transactions on Emerging Topics in Computing*, 2017.
- *VINCI*, 2017.

PRESENTATIONS
- Paper Presentation, **ASIS&T**, 2019.
- Doctoral Colloquium , **ASIS&T**, 2019.
- Poster Presentation, **ALISE**, 2019.
- Paper Presentation, **ISSI**, 2019.
- Doctoral Forum, **ISSI**, 2019.
- Poster Presentation, **iConference**, 2019.
- Young Researcher Presentation, **ICKM**, 2018.
- Invited Talk, **INORMS**, 2018.
- Workshop Paper Presentation, **IEEE VIS**, 2017.
- Workshop Paper Presentation, **ISSI**, 2017.
- Doctoral Forum, **ISSI**, 2017.
- Paper Presentation, **VINCI**, 2016.

TEACHING
- INFO 210 Database Management System (Undergraduate Course), *Instructor*, Drexel University, 2019.
- INFO 600 Web Systems and Architecture (Online and Face-to-face Sessions, Graduate Course), *Instructor*, Drexel University, 2018.
- CI 103 Computing and Informatics Design III, *Lab Instructor*, Drexel University, 2016.
- CI 102 Computing and Informatics Design II, *Lab Instructor*, Drexel University, 2016.
- CI 101 Computing and Informatics Design I, *Lab Instructor*, Drexel University, 2015.
- INFO 320 Server Technology I, *Teaching Assistant*, Drexel University, 2015.

SKILLS
- [Web Development]: **JavaScript**, **React.js+Redux**, Electron, Webpack, ES2015, Node.js, CSS, HTML, Angular.js, ASP.NET.
- [Programming]: **Python**, Java, R, SQL.
- [Machine Learning]: TensorFlow, Keras, Theano, scikit-learn.
- [Information Visualization]: **D3.js**, Tableau.

PROFESSIONAL MEMBERSHIPS
- ASIST
- IEEE
- ALISE
- INFORMS