

# Hao Peng

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RESEARCH INTERESTS	Computational Social Science, Data Science, Science of Science, Complex Systems, Social Networks, Information Diffusion, Organizations, Innovation, Inequality, Ethnicity, Gender	
EDUCATION	Ph.D. in Information <b>University of Michigan</b> , School of Information • Advisor: <a href="#">Daniel M. Romero</a>	Sep. 2017 - Present Ann Arbor, MI, USA
	M.S. in Data Science <b>Indiana University</b> , School of Informatics • Advisors: <a href="#">Yong-Yeol Ahn</a> , <a href="#">Filippo Menczer</a>	Sep. 2015 - May 2017 Bloomington, IN, USA
	B.S. in Information Management <b>Sun Yat-Sen University</b>	Sep. 2011 - June 2015 Guangzhou, China
	Summer Visiting Scholar <b>National Chengchi University</b> , Business School	Jun 2012 - Aug 2012 Taipei City
RESEARCH POSITIONS	Graduate Student Research Assistant <b>University of Michigan</b>	Sep. 2017 - Present Ann Arbor, MI, USA
	Summer Research Intern <b>University of Southern California</b> • Host: <a href="#">Information Sciences Institute</a> • Supervisor: <a href="#">Emilio Ferrara</a>	May 2017/19 - July 2017/19 Los Angeles, USA
	Summer Research Intern <b>University of Pennsylvania</b> • Host: <a href="#">World Well-Being Project</a> • Supervisor: <a href="#">Muhammad Abdul-Mageed</a> , <a href="#">Lyle Ungar</a>	May 2016 - Aug. 2016 Philadelphia, USA
PUBLICATIONS	<b>Preprints</b> <ol style="list-style-type: none"><li>Dynamics of Cross-Platform Attention to Retracted Papers: Pervasiveness, Audience Skepticism, and Timing of Retractions <b>H. Peng</b>, D.M. Romero, E.Á. Horvát (In Review)</li><li>Is Novel Research Worth Doing? Evidence from Journal Peer Review M. Teplitskiy, <b>H. Peng</b>, A. Blasco, K.R. Lakhani (In Review)</li><li>Acceptance in Two Major Life Sciences Journals Shows Large Disparities Across Name-inferred Ethnicities <b>H. Peng</b>, K.R. Lakhani, M. Teplitskiy (In Review)</li></ol>	

4. Author Mentions in Science News Reveal Widespread Disparities Across Name-inferred Ethnicities  
**H. Peng**, M. Teplitskiy, D. Jurgens  
(In Review)

### Journal Papers

1. Neural Embeddings of Scholarly Periodicals Reveal Complex Disciplinary Organizations  
**H. Peng**, Q. Ke, C. Budak, D.M. Romero, Y.Y. Ahn  
*Science Advances* 7, eabb9004 (2021)
2. Network Modularity Controls the Speed of Information Diffusion  
**H. Peng**, A. Nematzadeh, D.M. Romero, E. Ferrara  
*Physical Review E* 112, 052316 (2020)
3. Social Influence and Unfollowing Accelerate the Emergence of Echo Chambers  
K. Sasahara, W. Chen, **H. Peng**, G.L. Ciampaglia, A. Flammini, F. Menczer  
*Journal of Computational Social Science* (2020)
4. Sentiment Analysis of Web Reviews Based on Comparative Sentence Extraction  
**H. Peng**, J. Xu, Z. Xiao  
*Data Analysis and Knowledge Discovery* (2016)

### Conference Papers

1. Event-Driven Analysis of Crowd Dynamics in the *BLM* Online Social Movement  
**H. Peng**, C. Budak, D.M. Romero  
*WWW* (2019)
2. Recognizing Pathogenic Empathy in Social Media  
M. Abdul-Mageed, A. Buffone, **H. Peng**, S. Giorgi, J. Eichstaedt, L. Ungar  
*ICWSM* (2017)

### Workshop Papers

1. Performance Dynamics and Success in Online Games  
A. Sapienza, **H. Peng**, E. Ferrara  
*ICDM Workshop* (2017)

### AWARDS AND FELLOWSHIPS

#### Awards

- Best Paper Award (\$1,000), *ASIS&T*, SIG-MET Workshop, 2021
- 2nd Prize (\$750), John Hunter Excellence in Plotting Contest, *SciPy*, 2019
- UMich Rackham Travel Grant, 2019
- UMSI PhD Travel Grant, 2018, 2019
- Travel Scholarship, *IC2S2*, 2018
- Microsoft Azure Research Award, 2016

#### Fellowships

- Indiana University Data Science Program Fellowship, 2015
- Academic Excellence Scholarship of Sun Yat-Sen University, 2011

#### Other Awards

- First Prize in the Regional Physics Competition, Hubei, China, 2010
- Silver Medal in the National Physics Olympiad Contest, China, 2010

TEACHING	Graduate Student Instructor	
	<b>University of Michigan</b> <ul style="list-style-type: none"> <li>• SI 106 - Programs, Information and People (with <a href="#">Paul Resnick</a>)</li> <li>• SI 330 - Data Manipulation (with <a href="#">Matthew Kay</a>)</li> </ul>	Winter 2019 Fall 2018
MEDIA COVERAGE	<b>Research Coverage</b> <ul style="list-style-type: none"> <li>• New Scientist [<a href="#">Link</a>]</li> </ul>	Sep 2020
SELECTED TALKS	<b>Conference Presentations</b> <ul style="list-style-type: none"> <li>• IC2S2, ETH Zurich, Switzerland</li> <li>• IC2S2, MIT, Boston</li> <li>• WWW, San Francisco</li> <li>• IC2S2, Northwestern University, Chicago</li> <li>• NetSci, Indianapolis</li> </ul>	July 2021 July 2020 May 2019 July 2018 June 2017
	<b>Colloquia and Seminars</b> <ul style="list-style-type: none"> <li>• CSS Seminar, UMSI</li> <li>• IAR Seminar, UMSI</li> <li>• IAR Seminar, UMSI</li> <li>• “Web of Science as a Research Dataset”, IUB</li> </ul>	Oct. 2019 April 2019 Nov. 2017 Nov. 2016
SERVICE	<b>Conference Volunteer</b> <ul style="list-style-type: none"> <li>• Session chair, IC2S2, 2020</li> </ul>	
	<b>Conference Reviewer</b> <ul style="list-style-type: none"> <li>• WWW: 2017, 2019, 2020</li> <li>• WSDM: 2018, 2020</li> <li>• IC2S2: 2020</li> <li>• CSCW: 2020</li> <li>• ICWSM: 2021</li> <li>• CHI: 2022</li> </ul>	
	<b>Journal Reviewer</b> <ul style="list-style-type: none"> <li>• Computer Science: <i>Transactions on the Web</i></li> <li>• Multidiscipline: <i>PLOS ONE</i></li> </ul>	
REFERENCES	<ul style="list-style-type: none"> <li>• Daniel M. Romero drom@umich.edu University of Michigan</li> <li>• Misha Teplitskiy tepl@umich.edu University of Michigan</li> <li>• David Jurgens jurgens@umich.edu University of Michigan</li> <li>• Emőke-Ágnes Horvát a-horvat@northwestern.edu</li> </ul>	<ul style="list-style-type: none"> <li>Northwestern University</li> <li>• Emilio Ferrara emiliofe@usc.edu University of Southern California</li> <li>• Yong-Yeol Ahn yyahn@iu.edu Indiana University Bloomington</li> <li>• Filippo Menczer fil@iu.edu Indiana University Bloomington</li> </ul>