Curriculum Vitae
Hao Peng

School of Computing
415 Boyd Research and Education Center
University of Georgia
Athens, Georgia 30602-7404
(706) 542-2911
penghga@uga.edu
http://cobweb.cs.uga.edu/~peng/

Education

Degree	*Major*	*Institution*	*Date*	*Achievements*
Ph.D.	Computer Science	University of Georgia	August 2019	GPA: 3.75, Magma Cum Laude Minor in Statistics
B.S.	Computer Science Statistics	University of Georgia	May 2013	GPA: 3.93, Summa Cum Laude, with Highest Honors

Employment

Position	*Department*	*Institution*	*Dates*
Lecturer	Computer Science	University of Georgia	Fa2019-Present
Graduate Instructor of Record	Computer Science	University of Georgia	Sp2016-Sp2019
Graduate Teaching Assistant	Computer Science	University of Georgia	Fa2013-Fa2015
Peer Tutor	Division of Academic Enhancements	University of Georgia	Fa2011-Sp2013

Instruction

The University of Georgia

Course Number	*Title*	*Offerings*
CSCI 1100	Topics in Computing	Fa19
CSCI 1301	Introduction to Computing and Programming	Fa17, Sp18, Su18, Sp19, Sp20
CSCI 1730	Systems Programming	Su17, Fa18, Su21, Fa21, Su22, Fa22, Fa23
CSCI 1730E	Systems Programming	Su23
CSCI 2610	Discrete Mathematics for Computer Science	Fa16, Sp17, Fa19, Fa20, Sp21, Su21, Sp22, Sp23, Sp24
CSCI 2611	Discrete Mathematics for Engineers	Sp16, Sp23
CSCI 2670	Introduction to Theory of Computing	Sp20, Sp22, Sp23, Sp24
CSCI 2720	Data Structures	Su16, Sp21
CSCI 3360	Data Science I	Fa20, Fa21, Su22, Fa22, Fa23
CSCI 3360E	Data Science I	Su23

(Fa = Fall semester, Su = Summer semester, Sp = Spring semester)

Honors and Awards

- Active Learning Summer Institute 2023 participant, Univeristy of Georgia (Summer 2023)
- DeLTA Project participant, University of Georgia (2021-2022)
- Best Student Paper Award, BigData Congress (June 2019)
- Best Student Paper Award, BigData Congress (June 2018)
- Outstanding Teaching Assistant Award, Computer Science, University of Georgia (March 2018)
- Excellence in Graduate Recruitment Funds (EGRF) Award, University of Georgia (August 2013)
- Outstanding Undergraduate Student Award, Computer Science, University of Georgia (May 2013)
- Honors Program membership, University of Georgia (August 2010 - May 2013)
- Harris Scholarship, University of Georgia (August 2010)

Publications

Google Scholar: `https://scholar.google.com/citations?user=ZuSxOzgAAAAJ`
ResearchGate: `https://www.researchgate.net/profile/Hao_Peng44`

Journal Articles

1. Khalifeh AlJadda, Mohammed Korayem, Camilo Ortiz, Trey Grainger, John A Miller, Khaled M Rasheed, Krys J Kochut, Hao Peng, William S York, Rene Ranzinger, et al. Mining massive hierarchical data using a scalable probabilistic graphical model. *Information Sciences*, 425:62–75, 2018

2. Mustafa V Nural, Michael E Cotterell, Hao Peng, Rui Xie, Ping Ma, and John A Miller. Automated Predictive Big Data Analytics Using Ontology Based Semantics. *International Journal of Big Data*, 2(2):43–56, 2015

Conference Proceedings

1. Hao Peng, Nicholas Klepp, Mohammadhossein Toutiaee, I. Budak Arpinar, and John A. Miller. Knowledge and situation-aware vehicle traffic forecasting. In *2019 IEEE International Conference on Big Data (Big Data)*, pages 3803–3812. IEEE, 2019

2. Hao Peng and John A Miller. Multi-step Short Term Traffic Flow Forecasting Using Temporal and Spatial Data. In *International Conference on Big Data*, pages 110–124. Springer, 2019

3. Hao Peng, Santosh U Bobade, Michael E Cotterell, and John A Miller. Forecasting Traffic Flow: Short Term, Long Term, and When It Rains. In *International Conference on Big Data*, pages 57–71. Springer, Cham, 2018

4. Mustafa V Nural, Hao Peng, and John A Miller. Using meta-learning for model type selection in predictive big data analytics. In *Big Data (Big Data), 2017 IEEE International Conference on*, pages 2027–2036. IEEE, 2017

5. John A Miller, Hao Peng, and Casey N Bowman. Advanced tutorial on microscopic discrete-event traffic simulation. In *Simulation Conference (WSC), 2017 Winter*, pages 705–719. IEEE, 2017

6. Hao Peng, Zhe Jin, and John A Miller. Bayesian Networks with Structural Restrictions: Parallelization, Performance, and Efficient Cross-Validation. In *Big Data (BigData Congress), 2017 IEEE International Congress on*, pages 7–14. IEEE, 2017

7. John A Miller, Hao Peng, and Michael E Cotterell. Adding Support for Theory in Open Science Big Data. In *Services (SERVICES), 2017 IEEE World Congress on*, pages 71–75. IEEE, 2017

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