

Intellectual Contributions

Kennesaw State University
January 1, 2019 - December 31, 2019

Department of Computer Science

Aledhari, Mohammed (Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Accepted)

Aledhari, M., Di Pierro, M., Marhoon, A. (in press). Towards Smart Cities: A New Path Planning Algorithm in Support of Smart Navigation Systems. *To appear in IEEE Transactions on Automation Science and Engineering*, ., Impact Factor: 3.667Peer Review - Refereed

Journal Article, Professional Journal (Submitted)

Aledhari, M., Di Pierro, M. (under review). An Onboard Smart Camera-Based System in Support of Autonomous and Accident-Free Driving. *IEEE Transactions on Vehicular Technology*, ., Impact Factor: 4.432Peer Review - Refereed

Journal Article, Professional Journal (Submitted)

Aledhari, M., Di Pierro, M. (under review). A Deep Learning-Based Smart Vision and Navigation System for Autonomous Cars and Mobile Robots. *IEEE Transactions on Automation Science and Engineering*, ., Impact Factor: 3.667Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R., Aledhari, M., Karimipour, H. (2019). A Survey on Internet of Things Security: Requirements, Challenges, and Solutions. *Internet of Things*, 100129, ., <http://www.sciencedirect.com/science/article/pii/S2542660519302288>

Conference Proceedings

Conference Proceeding (Published)

Aledhari, M., Meimandi Parizi, R., Dehghantanha, A., Choo, K.-K. (2019). *A Hybrid RSA Algorithm in Support of IoT Greenhouse Applications* (pp. 1-8). 2019 IEEE International Conference on Industrial Internet (IEEE ICII 2019).Peer Review - Refereed

Conference Proceeding (Accepted)

Aledhari, M. (2019). A New Distribution Scheme of Cellular Towers to Reduce Health Hazards and Network Costs. *N/A*. Waikoloa, HI: 2019 IEEE Global Communications Conference: Mobile and Wireless Networks.

Conference Proceeding (Accepted)

Aledhari, M. (2019). Optimized CNN-based Diagnosis System to Detect the Pneumonia from Chest Radiographs. *N/A*. San Diago, CA: IEEE International Conference on Bioinformatics & Biomedicine 2019.

Conference Proceeding (Submitted)

Aledhari, M. (under review). *Design and Implementation of the Multi-Stage Cryptographic Algorithm for Internet of Things-Based Greenhouse*. 2019 IEEE Global Communications Conference: Mobile and Wireless Networks. Peer Review - Refereed

Conference Proceeding (In Preparation; Not Yet Submitted)

Aledhari, M., McFall, K. (In Preparation; Not Yet Submitted). *A New Distribution Scheme of Cellular Towers to Reduce Health Hazards and Network Costs*. 2019 IEEE Global Communications Conference: Mobile and Wireless Networks. Peer Review - Refereed

Bobbie, Patrick (Professor)

Conference Proceedings

Conference Proceeding (Published)

Xu, X., Zhao, Y., Zhao, D., Yang, L., Bakiras, S. (2019). *Distributed Real-time Data Aggregation Scheduling in Duty-Cycled Multi-hop Sensor Networks*. WASA.

Conference Proceeding (Published)

Xu, X., Chen, Y., He, S., Bobbie, P. (2019). *OWLS: Opportunistic Wireless Link Scheduling with SINR Constraints*. WASA.

Conference Proceeding (Accepted)

He, S., Bobbie, P., Han, M. (2019). *A Community-based Computational and Engineering Sciences Initiative toward National Development (COESIND)*. 2019 IEEE Frontiers in Education Conference (FIE). Peer Review - Refereed

Clincy, Victor (Professor)

Conference Proceedings

Conference Proceeding (Published)

Clincy, V. A., Shahriar, H. (2019). *Blockchain Development Platform Comparison* (pp. 922-923). 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Clincy, V. A., Shahriar, H. (2019). *IoT Malware Analysis* (pp. 920-921). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). Peer Review - Refereed

Garrido, Jose (Professor)

Conference Proceedings

Conference Proceeding (Accepted)

Garrido, J. M. (in press). *High-level Specification and Modeling of Cyber-physical Systems*. No (pp. 4). NY: ACM. Peer Review - Refereed

Haddad, Hisham (Professor)

Book Chapters

Conference Proceeding (Published)

Wan, M., Han, M., Li, L., Li, Z., He, S. (2020). *Effects of and Defenses Against Adversarial Attacks on a Traffic Light Classification CNN* (pp. 94-99). ACM SE '20: Proceedings of the 2020 ACM Southeast Conference. Peer Review -

Other Intellectual Contributions

Cited Research (Accepted)

Zhang, Y., Han, M. M., He, S. (2020). *Seeking the Goals of K-12 Computing Education*. Peer Review - Refereed

Cited Research (Accepted)

Zhou, Y., Han, M., Liu, L., He, S. (2019). *Implement Convolutional Embedding Feature to Detect Time Series Abnormal Activity in Edge Computing Environment*. Southern Data

Liu, H., Xu, L., Song, E., Jin, R., Hung, C.-C. (2019). Automatic Labeling of MR Brain Images Through the Hashing Retrieval Based Atlas Forest. *Journal of medical systems*, 43(8), 241, .

Journal Article, Academic Journal (Published)

Cao, H., Liu, H., Song, E., Ma, G., Xu, X., Jin, R., Liu, T., Hung, C.-C. (2019). Multi-

Conference Proceeding (Published)

Johnson, J., Lo, D. C.-T., Meimandi Parizi, R. (2019). *The Effectiveness of Learning Trees on Network Intrusion Detection*. Los Angeles, CA: The 6th International Workshop on Privacy and Security of Big Data (PSBD 2019), associated with IEEE BigData 2019. Peer Review - Refereed

Conference Proceeding (Published)

Zhang, H., Li, Z., Shahriar, H., Lo, D. C.-T., Wu, F., Qian, Y. (2019). *Protecting Data in Android External Data Storage* (pp. 924-925). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Shahriar, H. M., Qian, K., Talukder, M. A. I., Lo, D. C.-T. (2019). *DroidPatrol: A Static Analysis Plugin For Secure Mobile Software Development*. IEEE COMPSAC.

Conference Proceeding (Published)

Zhang, H., Li, Z., Lo, D. C.-T. (2019). *Protecting Data in Android External Data Storage*. IEEE COMPSAC.

Conference Proceeding

Lo, D. C.-T., Tiba, K. K., Buciumas, S., Ziller, F. (2019). *An Empirical Study on Application of Big Data Analytics to Automate Service Desk Business Process*. Milwaukee, Wisconsin: IEEE COMPSAC.

North, Sarah (Senior Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

North, M., North, S. M. (2019). Dynamic Immersive Visualization Environments: Enhancing Pedagogical Techniques. *Australasian Journal of Information Systems*, 23, 1-17, ., <https://journal.acs.org.au/index.php/ajis/article/view/2109/885> Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)

North, S. M. (2019). *Brain-Computer Interface: The Primer Demographic Performance Analysis*. Kennesaw: NCUR Proceedings of the 33rd National Conference on Undergraduate Research. https://apps.cur.org/ncur2019/search/Display_NCUR.aspx?id=111121

Conference Proceeding (Accepted)

North, S. M., Verma, M. (2019). In <https://www.xcdsystem.com/SoutheastCon/program/x79wt0t/index.cfm?pgid=1989> (Ed.), *Pedagogical Innovative Research Endeavor: Visualization of Streamed Big Data through Augmented Reality*. IEEE SoutheastCon 2019. <https://site.ieee.org/southeastcon2019/conference-schedule/> Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

North, S. M. (2019). In STEM Innovators Conference 2019 PLSAMP (Ed.), *Performance Analysis of Human Traits in Brain-Computer Interface* (pp. 52). Athens, Ga: STEM

Kim, D.-H., Son, J., Seo, D., Kim, Y., Kim, H., Seo, J. T. (2020). A Novel Transparent and Auditable Fog-assisted Cloud Storage with Compensation Mechanism. *Tsinghua Science and Technology*, 25(1), 28-43, ., Impact Factor: 2.32, <http://tst.tsinghuajournals.com/EN/1007-0214/home.shtml>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)
Son, J., Kim, D.-

Yang, L., Yang, D., Cao, J., Sahni, Y., Xu, X. X. (Not Accepted). QoS Guaranteed Resource Allocation for Live VM Migration in Edge Clouds. *IEEE Access*, .Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Bakiras, S., Troja, E., Xu, X. X., Naves, J. F. (under review). Secure and Anonymous Communications Over Delay Tolerant Networks. *IEEE Access*, .Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Chen, Y., Hu, C., Hu, W., Alam, M., Xu, X. X. (under review). Communication Security in the Internet of Vehicles based Industrial Value Chain. *IEEE Vehicular Technology Magazine*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Desai, S., Han, M., Li, L., Li, Z., He, S., Xu, X. (2019). *Untampered Electronic Voting in Entertainment Industry: A Blockchain-based Implementation*. SIGITE 2019. Peer Review - Refereed

Conference Proceeding (Published)

Xu, X., Chen, Y., Zhao, Y., He, S., Song, H. (2019). *Delay Efficient D2D Communications Over 5G Edge-Computing Mobile Networks*. ICMIC.

Conference Proceeding (Published)

Xu, X., Zhao, Y., Zhao, D., Yang, L., Bakiras, S. (2019). *Distributed Real-time Data Aggregation Scheduling in Duty-Cycled Multi-hop Sensor Networks*. WASA.

Conference Proceeding (Published)

Xu, X., Chen, Y., He, S., Bobbie, P. (2019). *OWLS: Opportunistic Wireless Link Scheduling with SINR Constraints*. WASA.

Conference Proceeding (Published)

Xu, X., Lee, B., Chen, Y., Zhang, X. (2019). *Upper-Bounded Price of Anarchy in D2D Communications Over 5G Edge-Computing Mobile Wireless Networks*. IEEE INFOCOM IECCO.

Conference Proceeding (Accepted)

Zhou, Y., Han, M., He, S., Liu, L., Xu, X., Gao, X. (2020). *Abnormal Activity Detection in Edge Computing: A Transfer Learning Approach*. International Conference on Computing, Networking and Communications (ICNC 2020). Peer Review - Refereed

Conference Proceeding (Accepted)

Hawaou, G., Buddie, A., Youdom Kemmoe, V., Simo Kaptue, J., Xu, X. (2019). *Hydroyl - Your SMART Water Bottle*. NCUR 2019.

Conference Proceeding (Accepted)

Wu, Y., Wang, R., Xu, X. (in press). *A Certificate Pin BGP Protocol: CP-BGP*. International Conference on Computer and Communication Systems. Peer Review - Refereed

- Li, Z., Han, M., Zheng, G. (2019). *Finding a Niche and Developing an Undergraduate Data Analytics Course*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed
- Conference Proceeding (Published)*
Han, M., Li, Z., He, S., Tian, S. (2019). *What are the Non-majors Looking for in CS Classes?*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed
- Conference Proceeding (Published)*
Laufenberg, D., Li, L., Han, M., Shahriar, H. M. (2019). *An Architecture for Blockchain-based Collaborative Signature-based Intrusion Detection System*. ACM SIGITE 2109.Peer Review - Refereed
- Conference Proceeding (Published)*
Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects*. SIGITE 2019.Peer Review - Refereed
- Conference Proceeding (Published)*
Desai, S., Han, M., Li, L., Li, Z., He, S., Xu, X. (2019). *Untampered Electronic Voting in Entertainment Industry: A Blockchain-based Implementation*. SIGITE 2019.Peer Review - Refereed
- Conference Proceeding (Published)*
Han, M. (2019). *Using Convolutional Neural Networks To Analyze Social Media Trends For Stock Market Analysis*. Proceedings of The National Conference On Undergraduate Research (NCUR) 2019.
- Conference Proceeding (Published)*
Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students*. ACM SIGCSE 2019.Peer Review - Refereed
- Conference Proceeding (Accepted)*
Zhou, Y., Han, M., He, S., Liu, L., Xu, X., Gao, X. (2020). *Abnormal Activity Detection in Edge Computing: A Transfer Learning Approach*. International Conference on Computing, Networking and Communications (ICNC 2020).Peer Review - Refereed
- Conference Proceeding (Accepted)*
Li, L., Laufenberg, D., Shahriar, H. M., Han, M. (in press). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study*. Future of Information and Communication Conference (FICC) 2020.Peer Review - Refereed
- Conference Proceeding (Accepted)*
Zhou, Y., Han, M., Liu, L., He, S., Gao, X. (2019). *The Adversarial Attacks Threats on Computer Vision: A Survey*. IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019).Peer Review - Refereed
- Conference Proceeding (Accepted)*
He, S., Bobbie, P., Han, M. (2019). *A Community-based Computational and Engineering Sciences Initiative toward National Development (COESIND)*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed
- Conference Proceeding (Not Accepted)*
Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?*. SIGCSE2020.

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?*. SIGCSE2020.

Conference Proceeding

Liu, L., Han, M., Zhou, Y., Meimandi Parizi, R. (2019). *E² C-Chain: A Two-Stage Incentive Education Employment and Skill Certification Blockchain* (pp. 140-147). 2019 IEEE International Conference on Blockchain (Blockchain).Peer Review - Refereed

Conference Proceeding

Walker-Holmes, M., Malaney, M., Leman, N., Efik, I., Han, M. (2019). *AI for Finance: Data Science for Financial Independence*. Nation19 -3(ee).Eference o45(ni)-8Undfegrapte

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Conference Proceeding (Published)

Laufenberg, D., Li, L., Han, M., Shahriar, H. M. (2019). *An Architecture for Blockchain-*

Li, Z., Han, M., Zheng, G. (2019). *Finding a Niche and Developing an Undergraduate Data Analytics Course*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Published)

Han, M., Li, Z., He, S., Tian, S. (2019). *What are the Non-majors Looking for in CS Classes?*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects*. SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)

Desai, S., Han, M., Li, L., Li, Z., He, S., Xu, X. (2019). *Untampered Electronic Voting in Entertainment Industry: A Blockchain-based Implementation*. SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)

Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students*. ACM SIGCSE 2019.Peer Review - Refereed

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?*. SIGCSE2020.

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?*. SIGCSE2020.

Peltsverger, Svetlana (Professor)

Conference Proceedings

Conference Proceeding (Published)

Geissler, M., Tang, C., Peltsverger, S. B., Preuss, T. (2019). *Adapting the IT2017 Curricula for Two Year Transfer Programs: Determining the Optimal Level of Curricular Guidance*. *Proceedings of the 20th Annual SIG Conference on Information Technology Education* (pp. 124--125). New York, NY, USA: ACM. <http://doi.acm.org/10.1145/3349266.3351395>

Conference Proceeding (Published)

Peltsverger, S. B., Debnath, S. (2019). *Instructional Pseudocode Guide to Teach Problem-Solving*. *Proceedings of the 2019 ACM Conference on Innovation and Technology in Computer Science Education* (pp. 319--319). New York, NY, USA: ACM. <http://doi.acm.org/10.1145/3304221.3325581>

Pouriyeh, Seyedamin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Pouriyeh, S., Allahyari, M., Kochut, K. (2019). *Combining semantic graph and probabilistic topic models for discovering coherent topics*. *International Journal of Web Intelligence*, ..

[https://www.iospress.nl/journal/web-intelligence-and-agent-systems/Peer Review - Refereed](https://www.iospress.nl/journal/web-intelligence-and-agent-systems/Peer%20Review%20-Refereed)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Pouriyeh, S., Allahyari, M., Liu, Q., Cheng, G., Arabnia, H. R., Atzori, M., Kochut, K. (2019). Ontology Summarization: Graph-Based Methods and Beyond. *International Journal of Semantic Computing*, ., <https://www.worldscientific.com/worldscinet/ijsc>

Conference Proceedings

Conference Proceeding (Published)

Pouriyeh, S., Allahyari, M., Cheng, G., Arabnia, H. R., Atzori, M., Kochut, K. (2019). *R-LDA: Profiling RDF datasets using Knowledge-based Topic Modeling*. 13th IEEE International Conference on Semantic Computing. [https://www.ieee-icsc.org/Peer Review - Refereed](https://www.ieee-icsc.org/Peer%20Review%20-Refereed)

Rutherford, Rebecca (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Zheng, G., Li, Z., Li, L., Rutherford

Conference Proceeding (Published)

Shahriar, H. M., Talukder, A., Islam, S. (2019). *An Exploratory Analysis of Mobile Security Tools* (pp. 16). Conference on Cybersecurity Education, Research and Practice. Peer Review - Refereed

Conference Proceeding (Published)

Shahriar, H. M., Islam, K., Talukder, A., Zhang, H., Li, Z. (2019). *Automatic Security Bug Detection with FindSecurityBugs Plugin* (pp. 11). Conference on Cybersecurity Education, Research and Practice.

Conference Proceeding (Published)

Laufenberg, D., Li, L., Han, M., Shahriar, H. M. (2019). *An Architecture for Blockchain-based Collaborative Signature-based Intrusion Detection System*. ACM SIGITE 2109. Peer Review - Refereed

Conference Proceeding (Published)

Clincy, V. A., Shahriar, H. (2019). *Blockchain Development Platform Comparison* (pp. 922-923). 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Clincy, V. A., Shahriar, H. (2019). *IoT Malware Analysis* (pp. 920-921). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Kim, L., Shahriar, H. M., Zhang, C. (2019). *Non-Invasive Wi-Fi Sensors For Smart Healthcare* (pp. 440-445). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Qu, F., Haddad, H., Shahriar, H., Zhang, C. (2019).

Shahriar, H. M., Qian, K., Talukder, M. A. I., Meimandi Parizi, R. (2019). *Data Protection with SMSD Labware* (pp. 1262--1262). New York, NY, USA: Proceedings of the 50th ACM Technical Symposium on Computer Science Education.
<http://doi.acm.org/10.1145/3287324.3293785>Peer Review - Refereed

Conference Proceeding (Published)

Sinclair, D., Shahriar, H. M., Zhang, C. (2019). *Security Requirement Prototyping with Hyperledger Composer for Drug Supply Chain - A Blockchain Application* (pp. 158-163). ACM: Proceedings of the 3rd International Conference on Cryptography, Security and Privacy (ICCSP 2019). <http://www.iccsp.org/>Peer Review - Refereed

Conference Proceeding (Accepted)

Masum, M., Shahriar, H. (2019). *Droid-*

Xing, Y., Tian, S., He, W. (under review). Examining Chinese and American Users' Privacy Concerns on Social Media: A Comparative Analysis. *Journal of Global Information Technology Management*, ., Impact Factor: 1.0Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

He, W., Tian, S. (under review). Investigating and Discerning the Evolving Security Attacks on Digital Banking. *Electrical Markets*, ., Impact Factor: 3.818Peer Review - Refereed

Journal Article, Academic Journal

Pribesh, S., He, W., Watson, S., Major, D., Xu, L., Li, L., Tian, S., Gorkhali, A. PAIR PROGRAMMING WITH STUDENTS WITH LEARNING DISABILITIES: A PRELIMINARY STUDY OF SITUATIONAL MOTIVATION. *Information and Software Technology*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Liu, S., He, W., Tian, S. (2019). *Research on Security Visualization: A Survey*. IACIS 2019.Peer Review - Refereed

Conference Proceeding (Published)

Han, M., Li, Z., He, S., Tian, S. (2019). *What are the Non-majors Looking for in CS Classes?*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects*. SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)

Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students*. ACM SIGCSE 2019.Peer Review - Refereed

Conference Proceeding (Published)

Pribesh, S., He, W., Watson, S., Major, D., Xu, L., Li, L., Tian, S., Gorkhali, A., He, Y. (2019). *Students with Learning Disabilities, Pair Programming And Situational Motivation*. SITE 2019 - The Society for Information Technology & Teacher Education.Peer Review - Refereed

Conference Proceeding (Accepted)

He, W., Xu, L., Tian, S., Yuan, X., Yang, L., Ellis, J. (2019). *The Impact of Guided Inquiry*

Tian, S. (2019). *Bilingual Analysis of Online Hotel Reviews: A Case Study*. 10th International Conference on Social Media & Society. Peer Review - Refereed

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?*. SIGCSE2020.

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?*. SIGCSE2020.

Conference Proceeding (Not Accepted)

Tian, S., He, W., Wen, Q., Zhang, W. (Not Accepted). *Understanding the Vulnerable Community Through Social Network Analytics*. AMCIS 2019. Peer Review - Refereed

Conference Proceeding (Not Accepted)

Liu, S., He, W., Tian, S. (Not Accepted). *Research on Security Visualization: A Survey*. ACMSE 2019. Peer Review - Refereed

Other Intellectual Contributions

Working Paper (Working Paper)

Tian, S., Han, M., Li, L. (Working Paper).

Teto, J. K., Xie, Y. (2019). *Automatically identifying of animals in the wilderness: comparative studies between CNN and C-Capsule Network*. ACM: Proceedings of the 2019 International Conference on Compute and Data Analysis.

Yang, Ming (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Submitted)

Yang, M., Li, Z., Xie, Y. (2020). Improvement of Decision on Coding Unit Split Mode and Intra-Picture Prediction by Machine Learning. *International Journal of Mobile Computing and Multimedia Communications (IJMCMC)*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects*. SIGITE 2019. Peer Review - Refereed

Conference Proceeding (Published)

Rahman, M., Stancil, R., McCutchen, J., McKinney, J., Peacock, J., Bowers, R., Yang, M., Tseng, T.-T. (2019). *PACKAGING METHOD TO ASSIST IN THE DISTRIBUTION AND EXECUTION OF BIOINFORMATICS SOFTWARE*.

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?*. SIGCSE2020.

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?*. SIGCSE2020.

Zhang, Chi (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Shahriar, H. M., Zhang, C., Dunn, S., Bronte, R., Shalan, A., Tarmissi, K. (2019). Mobile anti-phishing: Approaches and challenges. *INFORMATION SECURITY JOURNAL: A GLOBAL PERSPECTIVE*, 1-16, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Shahriar, H. M., Zhang, C. (2019). *Design and Development of Hands-on EHR Usability Analysis through Open Source Tools and Free Resources*. Proceedings of the EDSIG Conference. <http://proc.iscap.info/2019/pdf/4967.pdf> Peer Review - Refereed

Conference Proceeding (Published)

Zhang, C., Shahriar, H. M. (2019). *Redeveloping Electronic Health Records Course with Open Source Tools and Platforms*. Proceedings of the 20th Annual SIG Conference on Information Technology Education.

Department of Software Engineering and Game Development

Franklin, Michael (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Franklin, D. M. (2019). In Springer (Ed.), *Approximation Algorithms for Real-time Homeomorphic and Isomorphic Tree Matching*. Communications in Computer and Information Science Series(CCIS).Peer Review - Refereed

Conference Proceeding (Published)

Franklin, D. M. (2019). *Hierarchical Modeling for Strategy-based Multi-Agent Multi-Team Systems*. Washington D.C.: IEEE Proceedings from International Conference on Artificial Intelligence and Knowledge Engineering.Peer Review - Refereed

Conference Proceeding (Published)

Franklin, D. M. (2019). *Strategic Hierarchical Modeling and Simulation of Real-world Systems*. Oxford: Proceedings from International Conference on Digital Image & Signal Processing.

Conference Proceeding (Published)

Franklin, D. M., Martin, D. (2019). *eSense 2.0: Modeling Multi-agent Biomimetic Predation with Multi-layered Reinforcement Learning*. Cham: Springer.Peer Review - Refereed

Conference Proceeding (Published)

Franklin, D. M. (2019). *Hierarchical Modeling for Strategy-Based Multi-agent Multi-team Systems*. Cham: Springer.Peer Review - Refereed

Guo, Rongkai (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)

Isaza, M., Zhang, J., Kim, K., Mei, C., Guo, R. (in press). *Mono-Stereoscopic Camera in a Virtual Reality Environment: Case Study in Cybersickness*. In 2019 11th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games).

Conference Proceeding (Accepted)

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Huang, Yan (Assistant Professor)

Non-

Case Study. In Dehghantanha, Ali; Choo, Kim-Kwang Raymond (Ed.), *Handbook of Big Data and IoT Security* (pp. 129--151). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-10543-3_6Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Teing, Y.-Y., Homayoun, S., Dehghantanha, A., Choo, K.-K., Meimandi Parizi, R.,

Johnson, J., Lo, D. C.-T., Meimandi Parizi, R. (2019).

Conference Proceeding (Submitted)

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