





*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Shi, Yong (Principal), Lo, Dan Chia-Tien (Principal), He, Selena (Principal), Kang, Mingon (Principal), North, Sarah M. (Principal), "An Effort to Build Affordable Modern Computing Systems Courses in Undergraduate and Graduate Computer Science Programs (BSCS and MSCS)," Sponsored by Board of Regents of the University System of Georgia (BoR, State, \$30,000.00. (August 2018 - December 2019).

*Funded*

Lo, Dan C (Principal), Qian, Kai (Co-Principal), "Collaborative Research: Enhancing Curriculum and Faculty Development on Information Assurance and Security through Real World Relevant Portable Laboratory," Sponsored by National Science Foundation, Federal, \$159,104.00. (September 1, 2014 - August 31, 2019).

**North, Sarah (Senior Lecturer)**

*Funded*

North, Sarah M. (Other), "Chancellor's Learning Scholar from University Georgia System," Sponsored by University Georgia System (UGA), State, \$1,500.00. (August 2, 2019 - May 30, 2020).

*Funded*

Shi, Yong (Principal), Lo, Dan Chia-Tien (Principal), He, Selena (Principal), Kang, Mingon (Principal), North, Sarah M. (Principal), "An Effort to Build Affordable Modern Computing Systems Courses in Undergraduate and Graduate Computer Science Programs (BSCS and MSCS)," Sponsored by Board of Regents of the University System of Georgia (BoR, State, \$30,000.00. (August 2018 - December 2019).

**Shi, Yong (Associate Professor)**

*Funded*

Shi, Yong (Principal), Lo, Dan Chia-Tien (Principal), He, Selena (Principal), Kang, Mingon (Principal), North, Sarah M. (Principal), "An Effort to Build Affordable Modern Computing Systems Courses in Undergraduate and Graduate Computer Science Programs (BSCS and MSCS)," Sponsored by Board of Regents of the University System of Georgia (BoR, State, \$30,000.00. (August 2018 - December 2019).

**Son, Junggab (Assistant Professor)**

*Funded*

Son, Junggab (Principal), Kang, Mingon (Co-Principal), Kim, Dong-Hyun (Co-Principal), "Research on ICT core technologies and cultivation of innovative talents to lead next-generation smart healthcare," Sponsored by IITP, South Korea, Kennesaw State University, \$202,181.00. (July 1, 2019 - December 31, 2020).

*Funded*

Kim, Dong-Hyun (Principal), Son, Junggab (Co-Principal), "The Study on the Automation of Red Team Behavior and the Methodology to Build Critical Infrastructure Cyber Range for Large-scale Cyber Defense Training," Sponsored by National Security Research Institute (NSR), South Korea, Kennesaw State University, \$80,000.00. (April 1, 2019 - September 30, 2020).

*Funded*

Kim, Dong-Hyun, Kang, Mingon, Son, Junggab, "Development of Online Log Correlation Analysis System on HPCC Systems Platform," Sponsored by LexisNexis, Private, \$50,000.00. (April 1, 2019 - September 30, 2020).

*Funded*

Son, Junggab (Principal), Meimandi Parizi, Reza (Principal), "A Federated Approach to Image Feature Extraction," Sponsored by Oracle, Kennesaw State University, \$100,000.00. (June 1, 2019 - May 31, 2020).

*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Son, Junggab (Co-Principal), Kim, Donghyun (Principal), "Security Strategy for Secure Wireless Communication and Reliable IoT platforms," Sponsored by Institute for National Security Strategy, South Korea, \$7,000.00. (September 1, 2018 - February 28, 2020).

**Xu, Xiaohua (Assistant Professor)**

*Funded*

Xu, Xiaohua, "Fintech Course Development," Sponsored by CCSE, Kennesaw State University, \$3,000.00. (2019 - Present).

*Funded*

Xu, Xiaohua, "CCSE Innovations Course Proposal: Deep Learning for Cybersecurity," Sponsored by CCSE, Kennesaw State University, \$4,000.00. (October 26, 2019 - December 15, 2020).

*Funded*

Xu, Xiaohua, "Graduate College's Competitive Graduate Assistantship Grant," Kennesaw State University, \$3,850.00. (August 19, 2019 - May 14, 2020).

*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Xu, Xiaohua, "CCSE Innovations Course Proposal: Deep Learning and Differential Privacy," Sponsored by CCSE, Kennesaw State University, \$4,000.00. (October 1, 2018 - May 1, 2019).

## Department of Information Technology

### Halstead-Nussloch, R (Professor)

*Funded*

Li, Lei (Principal), Halstead-Nussloch, Richard (Co-Principal), Xie, Ying (Co-Principal), Shahriar, Hossain Mohammad (Co-Principal), Han, Meng (Co-Principal), "Developing a more affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by Affordable Learning Georgia, State, \$30,000.00. (January 2019 - May 2020).

### Han, Meng (Assistant Professor)

*Funded*

Li, Lin (Principal), Keyser, Robert S. (Co-Principal), Han, Meng NA (Co-Principal), "Developing No-Cost-to-Student Learning Materials for Systems and Industrial Engineering Undergraduate Simulation and Engineering Application Courses," Sponsored by Department of Systems and Industrial Engineering, State, \$11,800.00. (November 1, 2019 - Present).

*Funded*

Rutherford, Rebecca (Principal), Shahriar, Hossain Mohammad (Co-Principal), VandeVen, Susan Hatke (Co-Principal), Li, Zhigang (Co-Principal), Han, Meng (Co-Principal), Zheng, Guangzhi (Co-Principal), "Large Scale No-Cost Textbook Resources Towards Zero Cost BSIT Degree Program," Sponsored by Affordable Learning Georgia- USG, Kennesaw State University, \$30,000.00. (October 2019 - December 2020).

*Funded*

Han, Meng, "An analytics toolbox for business data," Sponsored by AI KNIGHTS, Private, \$4,000.00. (December 2018 - December 2020).

*Funded*

Ray, Herman Eugene, Han, Meng, "Department of Juvenile Justice Research Laboratory," Sponsored by Department of Juvenile Justice, State, \$38,000.00. (July 1, 2019 - June 30, 2020).

*Funded*

Li, Lei (Principal), Halstead-Nussloch, Richard (Co-Principal), Xie, Ying (Co-Principal), Shahriar, Hossain Mohammad (Co-Principal), Han, Meng (Co-Principal), "Developing a more affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by Affordable Learning Georgia, State, \$30,000.00. (January 2019 - May 2020).

*Funded*

Han, Meng (Principal), Zheng, Guangzhi (Co-Principal), "Advanced Web Innovation: Developing No-Cost-to-Student Learning Materials for Advanced Web Development Topics and Courses," Sponsored by Affordable Learning Georgia, State, \$10,800.00. (January 1, 2019 - May 1, 2020).

*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Han, Meng (Principal), Zheng, Guangzhi (Co-Principal), Xie, Ying (Co-Principal), "Innovation in Data Analytics: Developing No-Cost-to- Student Learning Materials for Fundamental Data Analytics Topics and Courses," Sponsored by Affordable Learning Georgia, State, \$15,800.00. (May 1, 2019 - April 1, 2020).

*Funded*

He, Selena (Principal), Han, Meng (Principal), "Diplomacy Lab: Tails You Lose: Exploring the Downside of Cryptocurrencies in Developing Countries (DipLab1914194)," Sponsored by US Department of State, Federal. (August 2019 - December 2019).

*Funded*

He, Selena (Principal), Han, Meng (Principal), "Diplomacy Lab: Using Artificial Intelligence in Training at US Department of State (DipLab1915196)," Sponsored by U.S. Department of States. (August 2019 - December 2019).

*Funded*

Han, Meng (Principal), Zheng, Guangzhi (Co-Principal), "Advanced Web Innovation: Developing No-Cost-to-Student Learning Materials for Advanced Web Development Topics and Courses," Sponsored by Textbook Transformation Grants, State, \$10,800.00. (November 1, 2018 - December 31, 2019).

*Funded*

Han, Meng (Principal), "Cyber Data Privacy in Internet of Things," Sponsored by Office of the Vice President for Research (OVPR), Kennesaw State University, \$6,075.00. (August 1, 2018 - August 1, 2019).

*Funded*

Han, Meng (Principal), "Travel Grant for ACM Conference Comped," Sponsored by NSF, Federal, \$1,000.00. (May 1, 2019 - June 1, 2019).

*Funded*

Han, Meng, "Innovative Course Development of FinTech," Sponsored by CCSE, Kennesaw State University, \$4,000.00. (January 2019 - May 2019).

**Li, Lei (Professor)**

*Funded*

Shahriar, Hossain Mohammad (Principal), Li, Lei (Co-Principal), Pouriye, Seyedamin (Co-Principal), Tian, Shirley (Co-Principal), Zhang, Chi (Co-Principal), "Large Scale No-Cost Textbook Resources Towards Zero Cost MSIT Degree Program," \$30,000.00. (October 2019 - December 2020).

*Funded*

Li, Lei (Principal), Halstead-Nussloch, Richard (Co-Principal), Xie, Ying (Co-Principal), Shahriar, Hossain Mohammad (Co-Principal), Han, Meng (Co-Principal), "Developing a more affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by Affordable Learning Georgia, State, \$30,000.00. (January 2019 - May 2020).

*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Li, Lei (Co-Principal), Rutherford, Rebecca (Principal), "ALG Mini Grant - CSE 3153 Database Systems," Sponsored by Affordable Learning Georgia, State, \$4,800.00. (January 2019





Shahriar, Hossain Mohammad, Zhang, Chi, "IT 6843 Revision - Development of Labware,"  
Sponsored by Affordable Learning Georgia- USG, Kennesaw State University, \$4,800.00.  
(May 2019 - December 2020).

*Funded*

Shahriar, Hossain, "Collaborative Research: Broadening Secure Mobile Software  
Development (SMSD) Through Curriculum and Faculty Development," Sponsored by



*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Han, Meng (Principal), Zheng, Guangzhi (Co-Principal), Xie, Ying (Co-Principal), "Innovation in Data Analytics: Developing No-Cost-to- Student Learning Materials for Fundamental Data Analytics Topics and Courses," Sponsored by Affordable Learning Georgia, State, \$15,800.00. (May 1, 2019 - April 1, 2020).

*Funded*

Xie, Ying, "MagMutual Text Analytics," Sponsored by MagMutual, Private, \$25,572.00. (August 2019 - March 31, 2020).

**Yang, Ming (Professor)**

*Funded*

Yang, Ming (Principal), "Template Matching in Camera on Gun," Sponsored by Meggitt Training System, Private, \$10,000.00. (May 10, 2019 - August 1, 2019).

**Zhang, Chi (Associate Professor)**

*Funded*

Shahriar, Hossain Mohammad (Principal), Li, Lei (Co-Principal), Pouriye, Seyedamin (Co-Principal), Tian, Shirley (Co-Principal), Zhang, Chi (Co-Principal), "Large Scale No-Cost Textbook Resources Towards Zero Cost MSIT Degree Program," \$30,000.00. (October 2019 - December 2020).

*Funded*

Shahriar, Hossain Mohammad, Zhang, Chi, "IT 6843 Revision - Development of Labware," Sponsored by Affordable Learning Georgia- USG, Kennesaw State University, \$4,800.00. (May 2019 - December 2020).

*Funded*

Zheng, Guangzhi (Principal), Zhang, Chi (Co-Principal), "No-Cost-to-Student learning material enhancement - IT 6713," Sponsored by ALG, State, \$4,800.00. (February 2019 - May 2020).

*Funded*

Shahriar, Hossain (Co-Principal), Zhang, Chi (Principal), "HIT- IT3503/IT6503 Revision," Sponsored by Affordable Learning Georgia (USG), \$4,800.00. (October 3, 2018 - December 11, 2019).

**Zheng, Jack (Associate Professor)**

*Funded*

Rutherford, Rebecca (Principal), Shahriar, Hossain Mohammad (Co-Principal), VandeVen, Susan Hatke (Co-Principal), Li, Zhigang (Co-Principal), Han, Meng (Co-Principal), Zheng, Guangzhi (Co-Principal), "Large Scale No-Cost Textbook Resources Towards Zero Cost BSIT Degree Program," Sponsored by Affordable Learning Georgia- USG, Kennesaw State University, \$30,000.00. (October 2019 - December 2020).



## Department of Software Engineering and Game Development

### Franklin, Mike (Assistant Professor)

*Funded*

Franklin, Dennis Michael, "Summer Research Fellowship," Sponsored by KSU Office of Sponsored Research, Kennesaw State University, \$16,700.00. (May 19, 2019 - July 26, 2019).

*Funded*

Franklin, Dennis Michael, "Virtual Haptics: Mixed Reality Aids for Physical Therapy," Sponsored by KSU Office of Research, Kennesaw State University, \$10,000.00. (April 1, 2018 - April 30, 2019).

### Huang, Yan (Assistant Professor)

*Funded*

Li, Lei, Han, Meng, Xie, Ying, Shahriar, Hossain Mohammad, Xu, Xiaohua, Lo, Dan Chia-Tien, Kim, Dong-Hyun, Son, Junggab, Huang, Yan, "Research Pillars," Sponsored by CCSE, Kennesaw State University, \$81,319.00. (December 1, 2019 - April 2020).

*Funded*

Li, Joy, Huang, Yan, "Innovative Course in Computing for CCSE," Sponsored by CCSE, Kennesaw State University, \$4,000.00. (October 26, 2019 - January 1, 2020).

*Funded*

Kim, Dong-Hyun, Park, Jungkyu, Huang, Yan, "Future Trends of Satellite Communication Technology," Sponsored by Ministry of Science, ICT and Future Planning of South Korea, Other, \$13,000.00. (2019).

### Jones, Sandra (Senior Lecturer)

*Funded*

Jones, Sandra Hall (Co-Principal), "STEM + Computing," Sponsored by State Farm, Local. (January 1, 2019 - December 31, 2019).

### Li, Joy (Assistant Professor)

*Funded*

Li, Joy (Principal), Mei, Chao (Co-Principal), "Office of Research FY20 Seed Grant," Kennesaw State University, \$14,930.00. (August 1, 2019 - July 15, 2020).

*Funded*

Li, Joy, Huang, Yan, "Innovative Course in Computing for CCSE," Sponsored by CCSE, Kennesaw State University, \$4,000.00. (October 26, 2019 - January 1, 2020).



Spoletini, Paola, Meimandi Parizi, Reza (Principal), "Self-motivated and Book-less Learning in Modern BS and MS Software Engineering Programs," Sponsored by Affordable Learning Georgia, \$10,800.00. (2018 - 2019).

**Preston, Jon (Professor)**

*Funded*

Lo, Dan Chia-Tien (Principal), Preston, Jon A. (Co-Principal), "Intelliteach Business Process Improvement Using Machine Learning," Sponsored by Intelliteach Inc., Private, \$25,000.00. (January 1, 2018 - December 1, 2020).

**Rutherford, Jim (Senior Lecturer)**

*Funded*

Rutherford, James, "ALG Round 15," Sponsored by ALG, State, \$4,800.00. (October 1, 2019 - Present).

**Spoletini, Paola (Professor)**

*Funded*

Spoletini, Paola (Principal), Meimandi Parizi, Reza (Principal), "Fostering Book-independent Software Testing and Verification in MS Software Engineering Education," Sponsored by Affordable Learning Georgia (ALG), \$10,800.00. (2019 - 2020).

*Funded*

Spoletini, Paola, "Before, during, and after requirements elicitation interviews: a comprehensive support for improving the quality of requirements," Sponsored by NSF, Federal, \$399,940.00. (August 15, 2017 - August 14, 2020).

*Funded*

Spoletini, Paola, Meimandi Parizi, Reza (Principal), "Self-motivated and Book-less Learning in Modern BS and MS Software Engineering Programs," Sponsored by Affordable Learning Georgia, \$10,800.00. (2018 - 2019).

## Uncategorized Department

### **Karakaya, Mahmut**

*Funded*

Karakaya, Mahmut, "SaTC:CORE:Small:RUI: Improving Performance of Standoff Iris Recognition Systems Using Deep Learning Frameworks," Sponsored by NSF, Federal, \$259,316.00. (October 1, 2019 - September 30, 2022).

### **Lee, Ahyoung**

*Funded*

Lee, Ahyoung (Principal), "NSF Travel Grant for the ACM CompEd 2019 conference," Sponsored by NSF, Federal, \$1,000.00. (May 19, 2019).