

Contracts, Grants and Sponsored Research

Kennesaw State University
January 1, 2018 - December 31, 2018

Department of Computer Science

He, Selena (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).

Funded

He, Selena (Principal), "CS4491/CS7990 Special Topics: Fog Computing," Sponsored by CCSE Innovative Course, Kennesaw State University, \$4,000.00. (January 2018 - May 2018).

Hoganson, Ken (Professor)

Funded

North, Sarah M (Co-Principal), Shaw, Alan (Principal), Hoganson, Ken (Co-Principal), "Early Concept Exploratory Research (EAGER)," Sponsored by NSF, Kennesaw State University, \$294.10. (October 1, 2016 - September 30, 2018).

Hung, Chih-Cheng (Professor)

Funded

Wang, Ying (Co-Principal), Yang, Jidong (Principal), Hung, Chih-Cheng (Co-Principal), "Monitoring and Assessing Traffic Safety at Signalized Intersections Using Live Video Images," Sponsored by Georgia Department of Transportation, State, \$180,000.00. (January 1, 2016 - December 30, 2018).

Lo, Dan (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).

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

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

North, Sarah M (Co-Principal), Shaw, Alan (Principal), Hoganson, Ken (Co-Principal), "Early Concept Exploratory Research (EAGER)," Sponsored by NSF, Kennesaw State University, \$294.10. (October 1, 2016 - September 30, 2018).

Shaw, Alan (Assistant Professor)

Funded

North, Sarah M (Co-Principal), Shaw, Alan (Principal), Hoganson, Ken (Co-Principal), "Early Concept Exploratory Research (EAGER)," Sponsored by NSF, Kennesaw State University, \$294.10. (October 1, 2016 - September 30, 2018).

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).

Funded

Shi, Yong (Supporting), Qian, Kai (Principal), "Collaborative Research: Broadening Secure Mobile Software Development (SMSD)," Sponsored by NSF, Federal. (August 2017 - August 2018).

Son, Junggab (Assistant Professor)

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, "OVPR: Jamming Resistant 5-th Generation Communications under the Physical Interference Model," Sponsored by Office of the Vice President for Research (OVPR) Pilot/Seed Grant, Kennesaw State University, \$11,634.00. (July 1, 2018 - June 30, 2019).

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).

Funded

Xu, Xiaohua, "Graduate Research Assistantship (GRA) Award," Sponsored by Kennesaw State University, Kennesaw State University, \$3,850.00. (May 14, 2018 - July 31, 2018).

Funded

Xu, Xiaohua, "Graduate Research Assistantship (GRA) Award," Sponsored by Graduate College, Kennesaw State University, \$4,000.00. (May 14, 2018 - July 31, 2018).

Funded

Xu, Xiaohua, "Graduate Research Assistantship (GRA) Award, Tier III," Kennesaw State University, \$11,000.00. (August 8, 2017 - May 1, 2018).

Department of Information Technology

Halstead-Nussloch, R (Professor)

Funded

Li, Lei, Halstead-Nussloch, Richard (Co-Principal), Rutherford, Rebecca (Co-Principal), Peltsverger, Svetlana B. (Co-Principal), Zheng, Guangzhi (Co-Principal), Li, Zhigang (Supporting), "Building an affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by USG Affordable Learning Georgia, State, \$30,000.00. (January 2018 - December 2018).

Funded

VandeVen, Susan Hatke (Co-Principal), Rutherford, Rebecca (Principal), Tatum, Dawn (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), Rutherford, James (Co-Principal), "ALG Grant Round 11:," Sponsored by Affordable Learning Georgia, Kennesaw State University, \$30,000.00. (October 2017 - December 2018).

Han, Meng (Assistant Professor)

Funded

Han, Meng, "An analytics toolbox for business data," Sponsored by AI KNIGHTS, Private, \$4,000.00. (December 2018 - December 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 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), Li, Lei (Co-Principal), Xie, Ying (Co-Principal), "Data Science: Data-driven Study of Black Carbon for Air Pollution," Sponsored by Microsoft, Private, \$20,000.00. (November 28, 2017 - December 31, 2018).

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Zheng, Guangzhi (Co-Principal), Peltsverger, Svetlana (Co-Principal), Yang, Ming (Co-Principal), Li, Zhigang (Co-Principal), "Connecting the World: Developing No-Cost-to-Student Learning Materials for Mobile and Network Related Information Technology Courses," Sponsored by Textbook Transformation Grants, State, \$30,000.00. (November 1, 2017 - December 31, 2018).

Funded

Han, Meng, "Travel Grant for InfoCom 2018," Sponsored by Graduate College, \$4,050.00. (February 2018 - June 2018).

Funded

Han, Meng, "Innovative Course Development of Data-driven Security," Sponsored by CCSE, Kennesaw State University, \$4,000.00. (January 2018 - May 2018).

Funded

Han, Meng (Principal), "Travel Grant for IEEE Conference," Sponsored by Graduate College, Kennesaw State University, \$4,050.00. (April 1, 2018).

Li, Lei (Professor)

Funded

Li, Lei, Halstead-Nussloch, Richard (Co-Principal), Rutherford, Rebecca (Co-Principal), Peltsverger, Svetlana B. (Co-Principal), Zheng, Guangzhi (Co-Principal), Li, Zhigang (Supporting), "Building an affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by USG Affordable Learning Georgia, State, \$30,000.00. (January 2018 - December 2018).

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Xie, Ying (Co-Principal), "Data Science: Data-driven Study of Black Carbon for Air Pollution," Sponsored by Microsoft, Private, \$20,000.00. (November 28, 2017 - December 31, 2018).

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Zheng, Guangzhi (Co-Principal), Peltsverger, Svetlana (Co-Principal), Yang, Ming (Co-Principal), Li, Zhigang (Co-Principal), "Connecting the World: Developing No-Cost-to-Student Learning Materials for Mobile and Network Related Information Technology Courses," Sponsored by Textbook Transformation Grants, State, \$30,000.00. (November 1, 2017 - December 31, 2018).

Li, Zhigang (Assistant Professor)

Funded

Li, Lei, Halstead-Nussloch, Richard (Co-Principal), Rutherford, Rebecca (Co-Principal), Peltsverger, Svetlana B. (Co-Principal), Zheng, Guangzhi (Co-Principal), Li, Zhigang (Supporting), "Building an affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by USG Affordable Learning Georgia, State, \$30,000.00. (January 2018 - December 2018).

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Zheng, Guangzhi (Co-Principal), Peltsverger, Svetlana (Co-Principal), Yang, Ming (Co-Principal), Li, Zhigang (Co-Principal), "Connecting the World: Developing No-Cost-to-Student Learning Materials for Mobile and Network Related Information Technology Courses," Sponsored by Textbook Transformation Grants, State, \$30,000.00. (November 1, 2017 - December 31, 2018).

Funded

Zheng, Guangzhi (Principal), Li, Zhigang (Supporting), "No-Cost-to-Student learning material enhancement - IT 5443," Sponsored by Affordable Learning Georgia, State, \$4,800.00. (November 2017 - August 2018).

Peltsverger, Svetlana (Professor)

Funded

Li, Lei, Halstead-Nussloch, Richard (Co-Principal), Rutherford, Rebecca (Co-Principal), Peltsverger, Svetlana B. (Co-Principal), Zheng, Guangzhi (Co-Principal), Li, Zhigang

(Supporting), "Building an affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by USG Affordable Learning Georgia, State, \$30,000.00. (January 2018 - December 2018).

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Zheng, Guangzhi (Co-Principal), Peltsverger, Svetlana (Co-Principal), Yang, Ming (Co-Principal), Li, Zhigang (Co-Principal), "Connecting the World: Developing No-Cost-to-Student Learning Materials for Mobile and Network Related Information Technology Courses," Sponsored by Textbook Transformation Grants, State, \$30,000.00. (November 1, 2017 - December 31, 2018).

Rutherford, Becky (Professor)

Funded

Li, Lei, Halstead-Nussloch, Richard (Co-Principal), Rutherford, Rebecca (Co-Principal), Peltsverger, Svetlana B. (Co-Principal), Zheng, Guangzhi (Co-Principal), Li, Zhigang (Supporting), "Building an affordable Masters Science in Information Technology (MSIT) Program Using No-Cost-to-Student Learning Material," Sponsored by USG Affordable Learning Georgia, State, \$30,000.00. (January 2018 - December 2018).

Funded

VandeVen, Susan Hatke (Co-Principal), Rutherford, Rebecca (Principal), Tatum, Dawn (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), Rutherford, James (Co-Principal), "ALG Grant Round 11:," Sponsored by Affordable Learning Georgia, Kennesaw State University, \$30,000.00. (October 2017 - December 2018).

Shahriar, Hossain (Associate Professor)

Funded

Shahriar, Hossain, "Collaborative Research: Broadening Secure Mobile Software Development (SMSD) Through Curriculum and Faculty Development," Sponsored by National Science Foundation, Federal, \$169,496.00. (August 15, 2017 - July 31, 2020).

Funded

Shahriar, Hossain (Principal), "Ethical Hacking Revision," Sponsored by Affordable Learning Georgia (USG), \$2,444.00. (October 3, 2018 - December 11, 2019).

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).

Funded

Shahriar, Hossain (Principal), Qian, Kai (Co-Principal), "Mobile Software Security Assurance with Static and Dynamic Analysis," Sponsored by Kennesaw State University, \$12,544.00. (July 1, 2018 - June 30, 2019).

Tatum, Dawn (Senior Lecturer)

Funded

VandeVen, Susan Hatke (Co-Principal), Rutherford, Rebecca (Principal), Tatum, Dawn (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), Rutherford, James

(Co-Principal), "ALG Grant Round 11:," Sponsored by Affordable Learning Georgia, Kennesaw State University, \$30,000.00. (October 2017 - December 2018).

Vande Ven, Susan (Senior Lecturer)

Funded

VandeVen, Susan Hatke (Co-Principal), Rutherford, Rebecca (Principal), Tatum, Dawn (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), Rutherford, James (Co-Principal), "ALG Grant Round 11:," Sponsored by Affordable Learning Georgia, Kennesaw State University, \$30,000.00. (October 2017 - December 2018).

Xie, Ying (Professor)

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Xie, Ying (Co-Principal), "Data Science: Data-driven Study of Black Carbon for Air Pollution," Sponsored by Microsoft, Private, \$20,000.00. (November 28, 2017 - December 31, 2018).

Funded

Xie, Ying (Principal), "Equifax Data Science Research Lab," Sponsored by Equifax, \$150,000.00. (May 2017 - December 2018).

Yang, Ming (Professor)

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Zheng, Guangzhi (Co-Principal), Peltsverger, Svetlana (Co-Principal), Yang, Ming (Co-Principal), Li, Zhigang (Co-Principal), "Connecting the World: Developing No-Cost-to-Student Learning Materials for Mobile and Network Related Information Technology Courses," Sponsored by Textbook Transformation Grants, State, \$30,000.00. (November 1, 2017 - December 31, 2018).

Zhang, Chi (Associate Professor)

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

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

Li, Lei, Halstead-Nussloch, Richard (Co-Principal), Rutherford, Rebecca (Co-Principal), Peltsverger, Svetlana B. (Co-Principal), Zheng, Guangzhi (Co-Principal), Li, Zhigang (Supporting), "Building an affordable Masters Science in Information Technology (MSIT)

Program Using No-Cost-to-Student Learning Material," Sponsored by USG Affordable Learning Georgia, State, \$30,000.00. (January 2018 - December 2018).

Funded

Han, Meng (Principal), Li, Lei (Co-Principal), Zheng, Guangzhi (Co-Principal), Peltsverger, Svetlana (Co-Principal), Yang, Ming (Co-Principal), Li, Zhigang (Co-Principal), "Connecting the World: Developing No-Cost-to-Student Learning Materials for Mobile and Network Related Information Technology Courses," Sponsored by Textbook Transformation Grants, State, \$30,000.00. (November 1, 2017 - December 31, 2018).

Funded

Zheng, Guangzhi (Principal), Li, Zhigang (Supporting), "No-Cost-to-Student learning material enhancement - IT 5443," Sponsored by Affordable Learning Georgia, State, \$4,800.00. (November 2017 - August 2018).

Department of Software Engineering and Game Development

Franklin, Mike (Assistant Professor)

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).

Funded

Franklin, Dennis Michael, Tseng, Tsai-Tien, Smith, Susan M., "Rapid Discovery in Bioinformatics with Compute Unified Device Architecture (CUDA)," Sponsored by IDROP, Kennesaw State University, \$75,000.00. (September 1, 2016 - June 2018).

Guo, Rongkai (Assistant Professor)

Funded

Guo, Rongkai, "Implementing Virtual-Reality to Augment STEM Education Project I-VASE," Sponsored by Spencer Foundation, Other, \$9,966.00. (January 1, 2018 - December 31, 2018).

Funded

Guo, Rongkai, "SCC-Planning: Towards a VR based Smart Community for People w/ Visual Impairments," Sponsored by NSF, Federal, \$29,612.00. (September 1, 2017 - August 31, 2018).

Funded

Guo, Rongkai (Principal), "CRII: CHS: TOWARDS UNDERSTANDING THE CAPABILITY OF SPATIAL AUDIO FEEDBACK IN VIRTUAL ENVIRONMENTS FOR PEOPLE WITH VISUAL IMPAIRMENTS," Sponsored by NSF, Federal, \$169,497.00. (May 2016 - April 2018).

Jones, Sandra (Senior Lecturer)

Funded

Bryan, Charity, Purcell, Jennifer, Jones, Sandra, "Affordable Learning Georgia Textbook Transformation Grants," Sponsored by University System of Georgia, \$24,800.00. (March 2018 - December 2018).

Funded

Jones, Sandra Hall (Co-Principal), "STEM + Computing," Sponsored by State Farm, Local, \$50,000.00. (January 1, 2018 - December 31, 2018).

Mei, Chao (Assistant Professor)

Funded

Mei, Chao (Principal), "Self-adaptive virtual reality system for ASD joint attention therapy," Sponsored by OVPR of Kennesaw State University, Kennesaw State University, \$15,000.00. (August 1, 2017 - August 1, 2018).

Meimandi Parizi, Reza (Assistant Professor)

Funded

Meimandi Parizi, Reza, "Innovations in Computing Course," Sponsored by College of Computing and Software Engineering, Kennesaw State University, \$4,000.00. (2018 - 2019).

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).

Funded

Meimandi Parizi, Reza (Principal), "Blockchain-Enabled Smart Contract Arbitration of Technology Disputes," Sponsored by OVPR Pilot/Seed Grants, Kennesaw State University, \$14,303.00. (2018).

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

VandeVen, Susan Hatke (Co-Principal), Rutherford, Rebecca (Principal), Tatum, Dawn (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), Rutherford, James (Co-Principal), "ALG Grant Round 11:," Sponsored by Affordable Learning Georgia, Kennesaw State University, \$30,000.00. (October 2017 - December 2018).

Spoletini, Paola (Professor)

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).

Funded

Spoletini, Paola (Co-Principal), "GRA funded by OVPR FY18," Sponsored by OVPR, Kennesaw State University, \$0.00. (August 2017 - May 2018).

Funded

Spoletini, Paola, "Enhancing Requirements Elicitation for Populations with Special Needs by Using Virtual Reality," Sponsored by OVPR, Kennesaw State University, \$1,500.00. (August 14, 2017 - April 1, 2018).

Funded

Spoletini, Paola, "Using biofeedback to design and deliver online courses for computing related majors," Sponsored by OVPR, Kennesaw State University, \$1,500.00. (August 14, 2017 - April 1, 2018).