Contracts, Grants and Sponsored Research

Kennesaw State University
January 1, 2023 - December 31, 2023

Department of Computer Science

Aygun, Ramazan (Associate Professor)

Funded
Aygun, Ramazan, "Research on a Comprehensive Security Solution for Big Data Platforms," Sponsored by LexisNexis, Private, $90,000.00. Basic or Discovery Scholarship (2020 - Present).

Funded
Bhavsar, Parth (Principal), Kihei, Billy (Co-Principal), Dissanayake, Sunanda (Co-Principal), chakravarty, sumit (Co-Principal), Aygun, Ramazan (Co-Principal), "Smart and Connected Atlantic City Expressway," Sponsored by USDOT ATCMTD, Federal, $1,406,622.00. Applied or Integration/Application Scholarship (December 31, 2021 - December 31, 2025).

Funded
Aygun, Ramazan (Principal), "CC* Data Storage: High Volume Data Storage Infrastructure for Scientific Research and Education at Kennesaw State University Shared as Open Science Data Federation Data Origin," Sponsored by NSF, Federal, $500,000.00. (September 2022 - August 2024).

Funded
Aygun, Ramazan (Principal), "Traveler's Research Lab 2023-24," Sponsored by The Travelers Indemnity Company, Private, $95,000.00. (August 2022 - July 2024).

Funded
Aygun, Ramazan (Principal), "Traveler's Research Lab 2022-23," Sponsored by The Travelers Indemnity Company, Private, $95,000.00. (August 1, 2022 - July 31, 2023).

Funded
Suo, Kun (Principal), Deng, Bobin (Co-Principal), Bobbie, Patrick (Co-Principal), "Affordable Learning Georgia Round 23," Sponsored by University System of Georgia (USG), State, $15,000.00. Teaching and Learning Scholarship (July 2023 - June 2024).

Cetinkaya, Coskun (Professor)

Funded
Nguyen, Tu (Principal), Lee, Ahyoung (Co-Principal), Karakaya, Mahmut (Co-Principal), Cetinkaya, Coskun (Co-Principal), "Affordable Materials Grants and Transformation Plan Fall 2024 - Spring 2025 in KSU Undergraduate Computer Science Program," Sponsored by Affordable Learning Georgia's Affordable Materials Grant, State, $20,000.00. (2023 - 2024).

Deng, Bobin (Assistant Professor)

Funded
Suo, Kun (Principal), Deng, Bobin (Co-Principal), Bobbie, Patrick (Co-Principal), "Affordable Learning Georgia Round 23," Sponsored by University System of Georgia (USG), State, $15,000.00. Teaching and Learning Scholarship (July 2023 - June 2024).

Funded

Deng, Bobin, "PI Academy- Professional Development," Sponsored by Office of Research, Kennesaw State University, $2,000.00. Basic or Discovery Scholarship (July 17, 2023 - March 15, 2024).

Haddad, Hisham M. (Professor)

Funded

Haddad, Hisham, Haddad, Hisham, "Student Success Grant," Sponsored by Kennesaw State University - Provost Office, Kennesaw State University, $156,000.00. (August 1, 2021 - May 15, 2024).

He, Selena S. (Associate Professor)

Funded

He, Selena (Principal), Tian, Shirley (Co-Principal), "REU Site: Non-Invasive Deep Brain-Computer Interfaces," Sponsored by National Science Foundation, Federal, $323,650.00. (May 1, 2023 - April 30, 2025).

Funded

Razzak, Rehma, Li, Joy (Principal), He, Selena (Co-Principal), "Enhancing Stress Management and Driving Performance in Autistic Individuals Using a Virtual Reality Driving Game with Brief Integrated Bio- and Neurofeedback Intervention," Sponsored by Foundation for Neurofeedback and Neuromodulation Research (FNNR), Other, $3,000.00. (August 2023 - August 2024).

Funded

He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Islam, Kazi Aminul (Assistant Professor)

Funded

Islam, Kazi Aminul (Principal), Sakib, Nazmus (Co-Principal), "Security in AI Based US Healthcare System," Sponsored by Office of Undergraduate Research, Kennesaw State University, $3,000.00. (September 2023 - May 2024).

Islam, Rifatul (Assistant Professor)

Funded

Islam, Rifatul (Co-Principal), "Towards Personalized Automatic Cybersickness Prediction and Reduction for Army Personnel," Sponsored by Devcom Army Research Lab, Federal, $151,293.00. (2023 - 2027).

Karakaya, Mahmut (Assistant Professor)

Funded

Karakaya, Mahmut, "REU Supplement: Improving Performance of Standoff Iris Recognition Systems Using Deep Learning Frameworks," Sponsored by NSF, Federal, $16,000.00. Applied or Integration/Application Scholarship (May 2023 - December 2024).

Funded
Nguyen, Tu (Principal), Lee, Ahyoung (Co-Principal), Karakaya, Mahmut (Co-Principal), Cetinkaya, Coskun (Co-Principal), "Affordable Materials Grants and Transformation Plan Fall 2024 - Spring 2025 in KSU Undergraduate Computer Science Program," Sponsored by Affordable Learning Georgia's Affordable Materials Grant, State, $20,000.00. (2023 - 2024).

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 - 2024).

Khan, Md Abdullah Al Hafiz (Assistant Professor)

Funded
Shahriar, Hossain Mohammad (Principal), Valero de Clemente, Maria A (Co-Principal), Whitman, Michael (Co-Principal), Mattord, Herbert (Co-Principal), Khan, Md Abdullah Al Hafiz (Co-Principal), "SaTC: EDU: Collaborative: ALAMOSE: Authentic Learning Modules for DevOps Security Education," Sponsored by National Science Foundation, Federal, $125,881.00. (June 2022 - May 2025).

Funded
Nandan, Monica (Principal), Khan, Md Abdullah Al Hafiz (Co-Principal), Thomas, Dominic (Co-Principal), Pei, Yong (Co-Principal), "KSURSF/CCDPS/COBBFIRE23-25," Sponsored by Cobb County EMS, State, $40,000.00. (October 2023 - December 2024).

Funded
Khan, Md Abdullah Al Hafiz (Principal), "CCSE - Funds for equipment and research needs (2023)," Sponsored by Graduate College, College of Computing and Software Engineering, Kennesaw State University, $1,458.00. (June 2023 - December 2024).

Funded
Khan, Md Abdullah Al Hafiz (Principal), "FYSP 2023-2024: Human-AI teaming for behavioral health," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (October 2023 - May 2024).

Funded
Khan, Md Abdullah Al Hafiz (Principal), "GRA_2023-2024_April: Behavioral Health Analysis for 911 public narratives," Sponsored by Graduate College, College of Computing and Software Engineering, Kennesaw State University, $6,000.00. (August 2023 - May 2024).

Funded
Khan, Md Abdullah Al Hafiz, "VIP (Vertically Integrated Project) 2023: A Human-AI Teaming for Emotional Well-being," Sponsored by Office of Undergraduate Research, Kennesaw State University, $5,000.00. (August 2023 - May 2024).

Funded
Khan, Md Abdullah Al Hafiz, "Summer Undergraduate Research Program (SURP): 2023: Language model enhanced non-invasive Brainwave signals to text Conversion.," Sponsored by Office of Undergraduate Research, Kennesaw State University, $8,800.00. (June 2023 - July 2023).

Funded
Khan, Md Abdullah Al Hafiz (Principal), "FYSP 2022-2023: Human Guided Artificial Intelligence to Develop Smart Assistive System," Sponsored by Office of Undergraduate Research, Kennesaw State University, $3,000.00. (October 2022 - May 2023).

Funded
Khan, Md Abdullah Al Hafiz (Principal), "THAAT: Automated Thoughts to Text Using Brainwave Sensor Signals," Sponsored by KSU's Thrive and Achieve Atlanta Programs (THAAT)-- Office of Undergraduate Research Program, Kennesaw State University, $6,000.00. (September 2022 - May 2023).

Funded
Shahriar, Hossain (Principal), Khan, Md Abdullah Al Hafiz (Co-Principal), "SunTrustFellow: Quantum Machine Learning-based Software Security Vulnerability Detection," Sponsored by Institute for Cybersecurity Workforce Development's SunTrust, Kennesaw State University, $7,500.00. (March 15, 2022 - May 30, 2023).

Lee, Ahyoung (Assistant Professor)

Funded
Nguyen, Tu (Principal), Lee, Ahyoung (Co-Principal), Karakaya, Mahmut (Co-Principal), Cetinkaya, Coskun (Co-Principal), "Affordable Materials Grants and Transformation Plan Fall 2024 - Spring 2025 in KSU Undergraduate Computer Science Program," Sponsored by Affordable Learning Georgia's Affordable Materials Grant, State, $20,000.00. (2023 - 2024).

Funded
Lee, Ahyoung (Principal), Lee, Hoseon Lee (Co-Principal), "Sophomore Scholars Program," Sponsored by KSU, Kennesaw State University, $1,000.00. Basic or Discovery Scholarship (September 13, 2023 - May 9, 2024).

Funded
Lee, Ahyoung (Principal), "Request GRAs Proposal (Fall23 and Spring24)," Sponsored by KSU, Kennesaw State University. (August 14, 2023 - May 9, 2024).

Funded
Lee, Ahyoung, Lee, Hoseon Lee, "First-Year Scholars Program," Sponsored by KSU, Kennesaw State University, $1,000.00. Basic or Discovery Scholarship (September 15, 2023 - May 15, 2023).

Funded
Lee, Ahyoung (Principal), "Request GRAs Proposal (Summer23)," Sponsored by KSU, Kennesaw State University. (July 1, 2023 - July 31, 2023).

Funded
Lee, Ahyoung (Principal), "3D Printed IoT devices for LPWAN technologies," Sponsored by CCSE 2023 Funds for Equipment and Research Needs, Kennesaw State University, $921.25. (March 22, 2023 - July 31, 2023).

Funded
He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Funded

Lee, Ahyoung (Supporting), "REU Site: Non-Invasive Deep Brain-Computer Interfaces," Sponsored by NSF, Federal, $323,650.00. Teaching and Learning Scholarship (May 22, 2023 - July 28, 2023).

Funded
Huang, Yan (Principal), Lee, Ahyoung (Co-Principal), "Interdisciplinary Research: Building a Secure, Robust, and Customizable Framework for Personalized Federated Learning," Sponsored by SunTrust Fellow in Cybersecurity/Information Security Education, Local, $7,500.00. Basic or Discovery Scholarship (June 1, 2022 - June 30, 2023).

Funded
Lee, Ahyoung (Principal), Lee, Hoseon (Co-Principal), Chakravarty, Sumit (Co-Principal), "FYSP: Low-Power Low-Cost Long Range Radio Networking for Internet-of-Energy Manufacturing Industry," Sponsored by KSU, Kennesaw State University, $3,000.00. Teaching and Learning Scholarship (September 1, 2022 - May 12, 2023).

Funded
Lee, Ahyoung (Principal), Chakravarty, Sumit (Co-Principal), Lee, Hoseon (Co-Principal), "VIP: L3BN: Low-Power Low-Cost Long-Range Broadband Networking Lab," Sponsored by KSU, Kennesaw State University, $5,000.00. Basic or Discovery Scholarship (August 15, 2022 - May 12, 2023).

Funded
Lee, Ahyoung (Principal), "Request GRAs Proposal (Fall22 and Spring23)," Sponsored by KSU, Kennesaw State University. Basic or Discovery Scholarship (August 15, 2022 - May 12, 2023).

Funded
Lee, Ahyoung, "Travel grant for FABRIC NSF KNIT 6 Workshop," Sponsored by NSF FABRIC Project Team, Federal, $1,656.00. Basic or Discovery Scholarship (April 24, 2023 - April 26, 2023).

Funded
Roh, Soonhee (Principal), Lee, Ahyoung (Supporting), "Intervention to Promote Breast Cancer Screening Among American Indian Women (Mobile Web App)," Sponsored by NIH/Dakota Cancer Collaborative on Translational Activity (DaCCoTA) Grant Program, Federal, $468,845.00. (April 20, 2020 - March 14, 2023).

Lee, Sanghoon (Assistant Professor)

Funded
Lee, Sanghoon (Principal), "CRII: SCH: Developing a new hybrid interactive machine learning software tool for cancer researchers," Sponsored by NSF, Federal, $174,716.00. (July 1, 2022 - June 30, 2026).

Funded
Lee, Sanghoon (Principal), "ERI: A New Spatial Image Analysis of the Tumor Microenvironment for Cancer Immunotherapy," Sponsored by NSF, Federal, $199,198.00. (September 1, 2022 - August 31, 2024).

Lo, Dan C. T. (Professor)

Funded
Shahriar, Hossain Mohammad (Principal), Whitman, Michael (Co-Principal), Lo, Dan (Co-Principal), "Collaborative Research: SaTC: EDU: Authentic Learning of Machine

Learning in Cybersecurity with Portable Hands-on Labware," Sponsored by National Science Foundation, Federal, $279,844.00. (September 1, 2021 - August 31, 2024).

Funded

Lo, Dan Chia-Tien (Principal), Lawler, Brian (Co-Principal), "Building Capacity to Prepare Secondary Computer Science Teachers," Sponsored by National Science Foundation, Federal, $74,997.00. Applied or Integration/Application Scholarship (March 1, 2021 - February 28, 2024).

Nguyen, Tu (Assistant Professor)

Funded

Nguyen, Tu, "Collaborative Research: AMPS: Rethinking State Estimation for Power Distribution Systems in the Quantum Era," Sponsored by NSF, Kennesaw State University, $603,751.00. (January 1, 2022 - December 2025).

Funded

Nguyen, Tu (Principal), Lee, Ahyoung (Co-Principal), Karakaya, Mahmut (Co-Principal), Cetinkaya, Coskun (Co-Principal), "Affordable Materials Grants and Transformation Plan Fall 2024 - Spring 2025 in KSU Undergraduate Computer Science Program," Sponsored by Affordable Learning Georgia's Affordable Materials Grant, State, $20,000.00. (2023 - 2024).

Funded

Nguyen, Tu, "CRII: CNS: Towards Robust RAN Slicing: Theories, Algorithms, and Applications," Sponsored by National Science Foundation, Federal, $174,971.00. Applied or Integration/Application Scholarship (October 1, 2021 - September 30, 2023).

Funded

Nguyen, Tu, "Supplemental Funding (REU)," Sponsored by National Science Foundation, Federal, $16,000.00. Teaching and Learning Scholarship (2021 - September 30, 2023).

Funded

Nguyen, Tu, "Summer Research Fellows: Towards Success of NSF CAREER and EAGER Awards," Sponsored by Kennesaw State University, Kennesaw State University, $10,000.00. Basic or Discovery Scholarship (2021 - July 2023).

Noh, Jiho (Assistant Professor)

Funded

Noh, Jiho, "2023 Summer Research Fellow," Kennesaw State University, $10,500.00. (May 16, 2023 - June 27, 2023).

North, Sarah M. (Senior Lecturer)

Funded

North, Sarah M., "ALG: Developing Affordable No-Cost-To-Student Learning Materials For Continuous Improvement Grants," Sponsored by USG: University System of Georgia, State, $2,000.00. Teaching and Learning Scholarship (January 1, 2022 - December 15, 2023).

Funded

Shaw, Alan (Principal), North, Sarah M. (Co-Principal), Lawler, Brian (Co-Principal), "Enhancing Diagrammatic Reasoning and Representational Logic in Middle School Algebra through Simulation and Modeling Apps for Low Performing, Underserved

Students," Sponsored by NSF, Kennesaw State University, $499,927.00. Basic or Discovery Scholarship (May 2020 - August 2023).

Parakh, Abhishek (Associate Professor)

Funded
Parakh, Abhishek (Principal), Subraminiam, Madadevan (Co-Principal), Lee, Dabae (Other), "Collaborative Research: SaTC: EDU: QUINTET: Quantum Internet Education and Training Synthesizer," Sponsored by National Science Foundation, Federal, $212,236.00. Applied or Integration/Application Scholarship (September 2023 - Present).

Funded
Parakh, Abhishek, "Updating of Quantum Computing/Cryptography Labs," Sponsored by NSA, $20,325.00. (December 2023 - December 2024).

Funded
Parakh, Abhishek, Subramaniam, Mahadevan, Weitl-Harms, Sherri, "Quark: An Intelligent Adaptive Education Platform for Quantum Cybersecurity, University of Nebraska Collaboration Initiative," Sponsored by Nebraska Collaborative Initiative, State, $149,397.00. (2022 - 2024).

Funded
Parakh, Abhishek, "QUARCEL: Quantum Resistant Cryptography Education Labs (Post-Quantum Cryptography)," Sponsored by NSA, Federal, $85,259.00. Applied or Integration/Application Scholarship (August 2022 - December 2023).

Parakh, Abhishek, "QUINTET: Quantum Internet Education and Training Synthesizer," Sponsored by NSF, Federal, $399,847.00. (August 2023 - August 2025).

Pei, Yong (Professor)

Funded
Li, Lei (Principal), Peltsverger, Svetlana B. (Co-Principal), Wu, Shaoen (Co-Principal), Pei, Yong (Co-Principal), Markowsky, George (Co-Principal), Hayes, Sherrill W. (Co-Principal), Meimandi Parizi, Reza (Co-Principal), "Empowering the Underrepresented: Building A Bridge to Advance the Participation of Minority Students in Computing Master's Programs," Sponsored by MS Pathways to Computing Consortium, Private, $55,000.00. (November 2023 - December 2024).

Funded
Nandan, Monica (Principal), Khan, Md Abdullah Al Hafiz (Co-Principal), Thomas, Dominic (Co-Principal), Pei, Yong (Co-Principal), "KSURSF/CCDPS/COBBFIRE23-25," Sponsored by Cobb County EMS, State, $40,000.00. (October 2023 - December 2024).

Shaw, Alan (Associate Professor)

Funded
Lawler, Brian (Principal), Shaw, Alan (Co-Principal), Worthy, Roneisha (Co-Principal), "The Accessible Calculus Project," Sponsored by NSF, Federal, $806,477.00. (October 1, 2023 - September 30, 2026).

Funded

Shaw, Alan (Principal), Lawler, Brian (Co-Principal), Muralidhar, Deepa (Co-Principal), "Supporting computational thinking for middle school mathematics students through diagrammatic reasoning and representational logic," Sponsored by NSF, Kennesaw State University, $498,276.00. Basic or Discovery Scholarship (January 1, 2021 - December 31, 2024).

Funded
Shaw, Alan (Principal), North, Sarah M. (Co-Principal), Lawler, Brian (Co-Principal), "Enhancing Diagrammatic Reasoning and Representational Logic in Middle School Algebra through Simulation and Modeling Apps for Low Performing, Underserved Students," Sponsored by NSF, Kennesaw State University, $499,927.00. Basic or Discovery Scholarship (May 2020 - August 2023).

Shi, Yong (Associate Professor)

Funded
Shi, Yong (Co-Principal), "CCSE HPCC Systems Teaching Fellows Program," Sponsored by LexisNexis, Other, $15,000.00. Teaching and Learning Scholarship (June 2023 - December 31, 2023).

Funded
Shi, Yong (Co-Principal), "Summer Undergraduate Research Program (SURP)," Sponsored by KSU, Kennesaw State University, $8,000.00. Basic or Discovery Scholarship (June 1, 2023 - July 31, 2023).

Funded
Shi, Yong (Co-Principal), "First-Year Scholars Program (FYSP)," Sponsored by KSU, Kennesaw State University, $4,000.00. Teaching and Learning Scholarship (September 1, 2022 - June 1, 2023).

Funded
Shi, Yong (Principal), "ALG: Revision of open educational resources (OER) used in CS 7125," Sponsored by Affordable Learning Georgia, State, $2,800.00. Teaching and Learning Scholarship (May 2022 - May 2023).

Suo, Kun (Assistant Professor)

Funded
Suo, Kun, "SHF: Small: Rethinking Virtualization at the Edge to Support Highly-efficient and Low-power Applications," Sponsored by NSF, Federal, $325,049.00. (July 2022 - June 2025).

Funded
Suo, Kun (Principal), Deng, Bobin (Co-Principal), Bobbie, Patrick (Co-Principal), "Affordable Learning Georgia Round 23," Sponsored by University System of Georgia (USG), State, $15,000.00. Teaching and Learning Scholarship (July 2023 - June 2024).

Funded
Suo, Kun (Principal), "CRII: CPS: Building Highly-efficient and Low-power Edge Computing with Data-driven Learning and Control," Sponsored by NSF, Federal, $173,918.00. Basic or Discovery Scholarship (July 2021 - June 2024).

Funded

Suo, Kun, "KSU 2022-2023 First-Year Scholars Program," Sponsored by Kennesaw State University, Kennesaw State University, $2,000.00. Basic or Discovery Scholarship (September 2022 - May 2023).

Zhang, Xinyue (Assistant Professor)

Funded
Zhang, Xinyue (Principal), "First-Year Scholars Program: Leveraging Generative Models to Protect Machine Learning Frameworks," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (September 1, 2023 - May 1, 2024).

Funded
Zhang, Xinyue, Zhao, Liang, "Secure and Private Deep Learning Models against Inference Attacks on the Internet of Things," Sponsored by ICWD SunTrust Fellow, Kennesaw State University, $7,357.95. (August 2022 - 2023).

Funded
He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Funded
Zhang, Xinyue (Principal), "First-Year Scholars Program: Two-Sided eCommerce Markets Fairness via Decentralized Matching Algorithm," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (September 1, 2022 - May 1, 2023).

Department of Information Technology

Forsyth, William D. (Senior Lecturer)

Funded
Peltsverger, Svetlana B., Spoletini, Paola, Forsyth, William, "Help to Empower and Retain - Computing Students (HER-CS)," Sponsored by Northeastern University, Other, $60,000.00. (October 2021 - October 2024).

Funded
Valero de Clemente, Maria A, Zheng, Guangzhi, Forsyth, William, Privitera, Donald, Jamison, Jamie, "ALG Round 23," Sponsored by Affordable Learning Georgia, State, $10,000.00. (January 2023 - May 2024).

Jamison, Jamie K.-J. (Lecturer)

Funded
Valero de Clemente, Maria A, Zheng, Guangzhi, Forsyth, William, Privitera, Donald, Jamison, Jamie, "ALG Round 23," Sponsored by Affordable Learning Georgia, State, $10,000.00. (January 2023 - May 2024).

Funded

Tian, Shirley, Xie, Ying, Le, Linh, Jamison, Jamie, Morrow, Darin, "ALG Round 22 Continuous Improvement Grant - Undergraduate courses," Sponsored by Affordable Learning Georgia, State, $10,000.00. (November 23, 2022 - December 2023).

Le, Linh T. (Assistant Professor)

Funded
Tian, Shirley, Xie, Yixin, Sakib, Nazmus, Le, Linh, Zhao, Liang, "Affordable Materials Grants, Round 24: MSIT Continuous Improvement Grants," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (December 1, 2023 - December 15, 2024).

Funded
Tian, Shirley, Xie, Ying, Le, Linh, Jamison, Jamie, Morrow, Darin, "ALG Round 22 Continuous Improvement Grant - Undergraduate courses," Sponsored by Affordable Learning Georgia, State, $10,000.00. (November 23, 2022 - December 2023).

Li, Lei (Professor)

Funded
Li, Lei (Principal), Peltsverger, Svetlana B. (Co-Principal), Wu, Shaoen (Co-Principal), Pei, Yong (Co-Principal), Markowsky, George (Co-Principal), Hayes, Sherrill W. (Co-Principal), Meimandi Parizi, Reza (Co-Principal), "Empowering the Underrepresented: Building A Bridge to Advance the Participation of Minority Students in Computing Master's Programs," Sponsored by MS Pathways to Computing Consortium, Private, $55,000.00. (November 2023 - December 2024).

Funded
Valero de Clemente, Maria A (Co-Principal), Mattord, Herbert (Co-Principal), Whitman, Michael (Co-Principal), Plachkinova, Miloslava (Co-Principal), Zhao, Liang (Co-Principal), Li, Lei (Co-Principal), Pouriyeh, Seyedamin (Co-Principal), "Cybersecurity Basic concept and Cyber Career Pathways: KSU GenCyber School Camp 2022-2024," Sponsored by National Security Agency (NSA), Federal, $147,150.00. (June 2022 - June 2024).

Funded
Li, Lei (Principal), Li, Zhigang (Co-Principal), Pouriyeh, Seyedamin, Yang, Ming (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), "Continuous Improvement of MSIT Courses - ALG Round 21," Sponsored by USG, State, $10,000.00. (March 2022 - May 2023).

Li, Zhigang (Associate Professor)

Funded
Tian, Shirley, Li, Zhigang, Jin, Yi, "Vertically Integrated Projects (VIP) team - Cybersecurity Education Research Team," Sponsored by KSU Office of Undergraduate Research, Kennesaw State University, $5,000.00. (May 2022 - Present).

Funded
Tian, Shirley, Li, Zhigang, "First-Year Scholars Program (FYSP): Addressing challenges of cybersecurity education and research," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (August 11, 2023 - May 2024).

Funded
He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep

Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Funded
Li, Zhigang, Tian, Shirley, Jin, Yi, "Advancing Cybersecurity Education Through Standards-Based Cybersecurity Curriculum for Grades 6-12 students.," Sponsored by SunTrust, Private, $7,500.00. (April 2022 - June 2023).

Funded
Tian, Shirley, Li, Zhigang, "First-Year Scholars Program (FYSP): Addressing challenges of cybersecurity education and research," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (September 2022 - May 2023).

Funded
Li, Lei (Principal), Li, Zhigang (Co-Principal), Pouriyeh, Seyedamin, Yang, Ming (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), "Continuous Improvement of MSIT Courses - ALG Round 21," Sponsored by USG, State, $10,000.00. (March 2022 - May 2023).

Morrow, Darin (Senior Lecturer)

Funded
Tian, Shirley, Xie, Ying, Le, Linh, Jamison, Jamie, Morrow, Darin, "ALG Round 22 Continuous Improvement Grant - Undergraduate courses," Sponsored by Affordable Learning Georgia, State, $10,000.00. (November 23, 2022 - December 2023).

Peltsverger, Svetlana B. (Professor)

Funded
Li, Lei (Principal), Peltsverger, Svetlana B. (Co-Principal), Wu, Shaoen (Co-Principal), Pei, Yong (Co-Principal), Markowsky, George (Co-Principal), Hayes, Sherrill W. (Co-Principal), Meimandi Parizi, Reza (Co-Principal), "Empowering the Underrepresented: Building A Bridge to Advance the Participation of Minority Students in Computing Master's Programs," Sponsored by MS Pathways to Computing Consortium, Private, $55,000.00. (November 2023 - December 2024).

Funded
Peltsverger, Svetlana B., Spoletini, Paola, Forsyth, William, "Help to Empower and Retain - Computing Students (HER-CS)," Sponsored by Northeastern University, Other, $60,000.00. (October 2021 - October 2024).

Pouriyeh, Seyedamin (Assistant Professor)

Funded
Pouriyeh, Seyedamin (Principal), Meimandi Parizi, Reza (Co-Principal), Zhao, Liang (Co-Principal), "Enhancing Behavioral Anomaly Detection in Cybersecurity: From Research Advancements to Educational Initiatives Using HPCC Platform," Sponsored by HPCC Systems - LexisNexis, Private, $29,760.00. (December 2023 - Present).

Funded
Pouriyeh, Seyedamin, "HPCC Systems Teaching Fellows Program," Sponsored by HPCC Systems Teaching, $10,000.00. (April 2023 - Present).

Funded
Valero de Clemente, Maria A (Co-Principal), Mattord, Herbert (Co-Principal), Whitman, Michael (Co-Principal), Plachkinova, Miloslava (Co-Principal), Zhao, Liang (Co-Principal), Li, Lei (Co-Principal), Pouriyeh, Seyedamin (Co-Principal), "Cybersecurity Basic concept and Cyber Career Pathways: KSU GenCyber School Camp 2022-2024," Sponsored by National Security Agency (NSA), Federal, $147,150.00. (June 2022 - June 2024).

Funded
Pouriyeh, Seyedamin, "Graduate Research Assistant Fellowship (Tier 1)," Sponsored by Kennesaw State University - Graduate College, $6,000.00. (August 2023 - May 2024).

Funded
Tian, Shirley, Shahriar, Hossain Mohammad, Zhang, Chi, Zheng, Guangzhi, Pouriyeh, Seyedamin, "ALG Round 23 Continous Development - MSIT courses," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (March 5, 2023 - May 20, 2024).

Funded
Xie, Ying, Zheng, Guangzhi, Shahriar, Hossain Mohammad, Pouriyeh, Seyedamin, Tian, Shirley, Zhao, Liang, "Affordable Learning Georgia (ALG) Round 22 MSIT Courses Continuous Improvement," Sponsored by Georgia BOR, Kennesaw State University, $10,000.00. (November 2022 - December 2023).

Funded
Meimandi Parizi, Reza (Principal), Pouriyeh, Seyedamin (Co-Principal), "Zero-Touch Federated Learning for Privacy-aware Sensor Cloud Security," Sponsored by SunTrust, Private, $7,500.00. (March 2022 - 2023).

Funded
Li, Lei (Principal), Li, Zhigang (Co-Principal), Pouriyeh, Seyedamin, Yang, Ming (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), "Continuous Improvement of MSIT Courses - ALG Round 21," Sponsored by USG, State, $10,000.00. (March 2022 - May 2023).

Funded
Pouriyeh, Seyedamin, "Graduate Research Assistant Fellowship (Tier 2)," Sponsored by Kennesaw State University - Graduate College, $9,000.00. (August 2021 - May 2023).

Privitera, Donald A. (Lecturer)

Funded
Valero de Clemente, Maria A, Zheng, Guangzhi, Forsyth, William, Privitera, Donald, Jamison, Jamie, "ALG Round 23," Sponsored by Affordable Learning Georgia, State, $10,000.00. (January 2023 - May 2024).

Sakib, Nazmus (Assistant Professor)

Funded
Whitman, Michael (Principal), Whitman, Michael (Co-Principal), Sakib, Nazmus (Co-Principal), "NKAT-VI: A Virtual Institute for Cyber Research and Experiential Education," Sponsored by Griffiss Institute, Private, $305,307.00. Teaching and Learning Scholarship (October 2023 - July 2025).

Funded

Tian, Shirley, Xie, Yixin, Sakib, Nazmus, Le, Linh, Zhao, Liang, "Affordable Materials Grants, Round 24: MSIT Continuous Improvement Grants," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (December 1, 2023 - December 15, 2024).

Funded
Islam, Kazi Aminul (Principal), Sakib, Nazmus (Co-Principal), "Security in AI Based US Healthcare System," Sponsored by Office of Undergraduate Research, Kennesaw State University, $3,000.00. (September 2023 - May 2024).

Funded
Shahriar, Hossain Mohammad, Sakib, Nazmus, "Hands-on Learning Modules for Software Supply Chain Security Education," Sponsored by National Security Agency, $75,000.00. (November 2022 - August 2023).

Funded
Shahriar, Hossain Mohammad (Principal), Sakib, Nazmus (Co-Principal), "Software Supply Chain Security and Ransomware Attack Analysis and Defense," Sponsored by Office of Undergraduate Research, Kennesaw State University, $7,000.00. (September 2022 - April 2023).

Tian, Shirley (Associate Professor)

Funded
Tian, Shirley, Li, Zhigang, Jin, Yi, "Vertically Integrated Projects (VIP) team - Cybersecurity Education Research Team," Sponsored by KSU Office of Undergradute Research, Kennesaw State University, $5,000.00. (May 2022 - Present).

Funded
He, Selena (Principal), Tian, Shirley (Co-Principal), "REU Site: Non-Invasive Deep Brain-Computer Interfaces," Sponsored by National Science Foundation, Federal, $323,650.00. (May 1, 2023 - April 30, 2025).

Funded
Tian, Shirley, Xie, Yixin, Sakib, Nazmus, Le, Linh, Zhao, Liang, "Affordable Materials Grants, Round 24: MSIT Continuous Improvement Grants," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (December 1, 2023 - December 15, 2024).

Funded
Tian, Shirley, Li, Zhigang, "First-Year Scholars Program (FYSP): Addressing challenges of cybersecurity education and research," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (August 11, 2023 - May 2024).

Funded
Tian, Shirley, Shahriar, Hossain Mohammad, Zhang, Chi, Zheng, Guangzhi, Pouriyeh, Seyedamin, "ALG Round 23 Continous Development - MSIT courses," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (March 5, 2023 - May 20, 2024).

Funded
Tian, Shirley, Xie, Ying, Le, Linh, Jamison, Jamie, Morrow, Darin, "ALG Round 22 Continuous Improvement Grant - Undergraduate courses," Sponsored by Affordable Learning Georgia, State, $10,000.00. (November 23, 2022 - December 2023).

Funded
Xie, Ying, Zheng, Guangzhi, Shahriar, Hossain Mohammad, Pouriyeh, Seyedamin, Tian, Shirley, Zhao, Liang, "Affordable Learning Georgia (ALG) Round 22 MSIT Courses Continuous Improvement," Sponsored by Georgia BOR, Kennesaw State University, $10,000.00. (November 2022 - December 2023).

Funded
He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Funded
Li, Zhigang, Tian, Shirley, Jin, Yi, "Advancing Cybersecurity Education Through Standards-Based Cybersecurity Curriculum for Grades 6-12 students.," Sponsored by SunTrust, Private, $7,500.00. (April 2022 - June 2023).

Funded
Tian, Shirley, Li, Zhigang, "First-Year Scholars Program (FYSP): Addressing challenges of cybersecurity education and research," Sponsored by Office of Undergraduate Research, Kennesaw State University, $2,000.00. (September 2022 - May 2023).

Funded
Tian, Shirley, "Women in CyberSecurity (WiCyS) 2023 Scholarship," Sponsored by Women in Cybersecurity, Other, $2,000.00. (March 2023).

Valero de Clemente, Maria A. (Assistant Professor)

Funded
Shahriar, Hossain Mohammad (Principal), Valero de Clemente, Maria A (Co-Principal), Whitman, Michael (Co-Principal), Mattord, Herbert (Co-Principal), Khan, Md Abdullah Al Hafiz (Co-Principal), "SaTC: EDU: Collaborative: ALAMOSE: Authentic Learning Modules for DevOps Security Education," Sponsored by National Science Foundation, Federal, $125,881.00. (June 2022 - May 2025).

Funded
Valero de Clemente, Maria A (Co-Principal), Mattord, Herbert (Co-Principal), Whitman, Michael (Co-Principal), Plachkinova, Miloslava (Co-Principal), Zhao, Liang (Co-Principal), Li, Lei (Co-Principal), Pouriyeh, Seyedamin (Co-Principal), "Cybersecurity Basic concept and Cyber Career Pathways: KSU GenCyber School Camp 2022-2024," Sponsored by National Security Agency (NSA), Federal, $147,150.00. (June 2022 - June 2024).

Funded
Valero de Clemente, Maria A, Zheng, Guangzhi, Forsyth, William, Privitera, Donald, Jamison, Jamie, "ALG Round 23," Sponsored by Affordable Learning Georgia, State, $10,000.00. (January 2023 - May 2024).

Funded
Keyser, Robert S. (Principal), Li, Lin (Co-Principal), Valero de Clemente, Maria A (Co-Principal), Li, Joy (Co-Principal), Acklen, Isabel (Supporting), "Assessing Cognitive Load and User Experience in Virtual Reality-Enhanced Blood Donation," Sponsored by Kennesaw State University/First-Year Scholars Program, Kennesaw State University, $2,000.00. (September 21, 2023 - May 15, 2024).

Funded
Keyser, Robert S. (Principal), Li, Lin (Co-Principal), Valero, Maria A (Co-Principal), Li, Joy (Co-Principal), Ukuku, Afekwo (Co-Principal), "The Virtual Reality (VR) Blood Donor Experience," Sponsored by Kennesaw State University, Kennesaw State University, $5,000.00. (August 14, 2023 - May 15, 2024).

Funded

Valero, Maria A (Principal), Ingram, Katherine Heimburger (Co-Principal), Sneha, Sweta, "GlucoCheck: A non-invasive AI-powered Blood Glucose Monitoring Device," Sponsored by NIH/National Insitute of Aging (NIA), Federal, $188,000.00. Basic or Discovery Scholarship (April 2023 - March 2024).

Funded
Valero, Maria A, "GLUCOCHECK: A NON-INVASIVE AI-POWERED BLOOD GLUCOSE MONITOR," Sponsored by Intellectual Property, Kennesaw State University, $5,000.00. Basic or Discovery Scholarship (November 2022 - July 2023).

Funded
He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Funded
Valero, Maria A, Gruss, Amy, "Secure Cloud-based IoT Water Quality Gathering for Analysis and Visualization," Sponsored by Institute of CyberSecurity Workforce Development, Kennesaw State University, $7,500.00. (June 2022 - May 2023).

Wu, Shaoen (Professor)

Funded
Li, Lei (Principal), Peltsverger, Svetlana B. (Co-Principal), Wu, Shaoen (Co-Principal), Pei, Yong (Co-Principal), Markowsky, George (Co-Principal), Hayes, Sherrill W. (Co-Principal), Meimandi Parizi, Reza (Co-Principal), "Empowering the Underrepresented: Building A Bridge to Advance the Participation of Minority Students in Computing Master's Programs," Sponsored by MS Pathways to Computing Consortium, Private, $55,000.00. (November 2023 - December 2024).

Wu, Shaoen, Xie, Ying, "RUI: SpecEES: Collaborative Research: Enabling Secure, Energy-Efficient, and Smart In-Band Full Duplex Wireless," Sponsored by NSF, Kennesaw State University, $179,126.00. (2022 - 2024).

Xie, Chloe (Assistant Professor)

Funded
Tian, Shirley, Xie, Yixin, Sakib, Nazmus, Le, Linh, Zhao, Liang, "Affordable Materials Grants, Round 24: MSIT Continuous Improvement Grants," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (December 1, 2023 - December 15, 2024).

Funded
Xie, Yixin, "Reveal the roles and mechanisms of Lipid Raft in SARS-CoV-2 binding process with hACE2," Sponsored by KSU, $5,000.00. (May 2023 - April 2024).

Xie, Ying (Professor)

Funded
Tian, Shirley, Xie, Ying, Le, Linh, Jamison, Jamie, Morrow, Darin, "ALG Round 22 Continuous Improvement Grant - Undergraduate courses," Sponsored by Affordable Learning Georgia, State, $10,000.00. (November 23, 2022 - December 2023).

Funded

Xie, Ying, Zheng, Guangzhi, Shahriar, Hossain Mohammad, Pouriyeh, Seyedamin, Tian, Shirley, Zhao, Liang, "Affordable Learning Georgia (ALG) Round 22 MSIT Courses Continuous Improvement," Sponsored by Georgia BOR, Kennesaw State University, $10,000.00. (November 2022 - December 2023).

Funded
Xie, Ying (Principal), "Home Depot Data Science Lab," Sponsored by Home Depot, $145,000.00. (January 2021 - December 2023).

Wu, Shaoen, Xie, Ying, "RUI: SpecEES: Collaborative Research: Enabling Secure, Energy-Efficient, and Smart In-Band Full Duplex Wireless," Sponsored by NSF, Kennesaw State University, $179,126.00. (2022 - 2024).

Yang, Ming (Professor)

Funded
Li, Lei (Principal), Li, Zhigang (Co-Principal), Pouriyeh, Seyedamin, Yang, Ming (Co-Principal), Halstead-Nussloch, Richard (Co-Principal), "Continuous Improvement of MSIT Courses - ALG Round 21," Sponsored by USG, State, $10,000.00. (March 2022 - May 2023).

Zhang, Chi (Professor)

Funded
Zhang, Chi, "ALG (Affordable Learning Georgia Affordable Materials Grant)," Sponsored by ALG, State, $10,000.00. (October 2020 - Present).

Funded
Tian, Shirley, Shahriar, Hossain Mohammad, Zhang, Chi, Zheng, Guangzhi, Pouriyeh, Seyedamin, "ALG Round 23 Continous Development - MSIT courses," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (March 5, 2023 - May 20, 2024).

Zhang, Jian (Assistant Professor)

Funded
Zhang, Jian (Principal), "Collaborative Research: CCSS: When RFID Meets AI for Occluded Body Skeletal Posture Capture in Smart Healthcare," Sponsored by NSF, Federal, $180,000.00. (August 1, 2023 - July 31, 2026).

Funded
Zhang, Jian (Principal), "Self-supervised Augmented Imitation Learning for Versatile Robots to Perform Complex Tasks in Open Environments," Sponsored by Seed program, Kennesaw State University, $3,350.00. (2022 - 2023).

Zhao, Liang (Assistant Professor)

Funded
Pouriyeh, Seyedamin (Principal), Meimandi Parizi, Reza (Co-Principal), Zhao, Liang (Co-Principal), "Enhancing Behavioral Anomaly Detection in Cybersecurity: From Research Advancements to Educational Initiatives Using HPCC Platform," Sponsored by HPCC Systems - LexisNexis, Private, $29,760.00. (December 2023 - Present).

Funded

Zhao, Liang, "ALG Round 22 - MSIT Course Revision," Sponsored by Board of Regents of the University System of Georgia (BOR), State, $10,000.00. Teaching and Learning Scholarship (2022 - Present).

Funded
Zhao, Liang, "Robust Federated Learning for IoT Applications," Sponsored by Google Cloud Research Credits Grant, $5,000.00. (August 2021 - Present).

Funded
Zhao, Liang, Nguyen, Khoa, "Encrypted Malicious Network Traffic Detection Using Deep Learning," Sponsored by Sophomore Scholars Decision, Kennesaw State University, $3,000.00. (September 2023 - 2024).

Funded
Tian, Shirley, Xie, Yixin, Sakib, Nazmus, Le, Linh, Zhao, Liang, "Affordable Materials Grants, Round 24: MSIT Continuous Improvement Grants," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (December 1, 2023 - December 15, 2024).

Funded
Valero de Clemente, Maria A (Co-Principal), Mattord, Herbert (Co-Principal), Whitman, Michael (Co-Principal), Plachkinova, Miloslava (Co-Principal), Zhao, Liang (Co-Principal), Li, Lei (Co-Principal), Pouriyeh, Seyedamin (Co-Principal), "Cybersecurity Basic concept and Cyber Career Pathways: KSU GenCyber School Camp 2022-2024," Sponsored by National Security Agency (NSA), Federal, $147,150.00. (June 2022 - June 2024).

Funded
Zhao, Liang, Janse van Rensburg, Leo, "Website Fingerprinting -Attacks and Defenses," Sponsored by Office of Undergraduate Research-First Year Scholar Program, Kennesaw State University, $3,000.00. (August 2023 - May 2024).

Funded
Xie, Ying, Zheng, Guangzhi, Shahriar, Hossain Mohammad, Pouriyeh, Seyedamin, Tian, Shirley, Zhao, Liang, "Affordable Learning Georgia (ALG) Round 22 MSIT Courses Continuous Improvement," Sponsored by Georgia BOR, Kennesaw State University, $10,000.00. (November 2022 - December 2023).

Funded
Zhang, Xinyue, Zhao, Liang, "Secure and Private Deep Learning Models against Inference Attacks on the Internet of Things," Sponsored by ICWD SunTrust Fellow, Kennesaw State University, $7,357.95. (August 2022 - 2023).

Funded
Zhao, Liang, Nguyen, Khoa, "Encrypted Malicious Network Traffic Detection Using Deep Learning," Sponsored by Summer Undergraduate Research Program, Kennesaw State University, $8,800.00. (May 2023 - July 2023).

Funded
Zhao, Liang, "Encrypted Malicious Network Traffic Detection Using Machine Learning," Sponsored by Office of Undergraduate Research-First Year Scholar Program, Kennesaw State University, $3,000.00. (August 2022 - May 2023).

Funded
Zhao, Liang, "GRA Award," Sponsored by CCSE, Kennesaw State University. (August 2022 - May 2023).

Zheng, Jack (Associate Professor)

Funded
Zheng, Guangzhi, "2023 Entrepreneurship Fellowship," Sponsored by KSU Entrepreneurship and Innovation Center, Kennesaw State University, $3,000.00. (May 2023 - 2024).

Funded
Valero de Clemente, Maria A, Zheng, Guangzhi, Forsyth, William, Privitera, Donald, Jamison, Jamie, "ALG Round 23," Sponsored by Affordable Learning Georgia, State, $10,000.00. (January 2023 - May 2024).

Funded
Zheng, Guangzhi (Co-Principal), Chen, Estella Bau (Co-Principal), Cooper, Jennifer (Co-Principal), Gardner, Kimberly D. (Co-Principal), "Analytics for Assessing and Improving Student Success," Sponsored by CSM, Kennesaw State University, $33,835.00. (August 2022 - May 2024).

Funded
Tian, Shirley, Shahriar, Hossain Mohammad, Zhang, Chi, Zheng, Guangzhi, Pouriyeh, Seyedamin, "ALG Round 23 Continous Development - MSIT courses," Sponsored by Affordable Learning Georgia (ALG), State, $10,000.00. (March 5, 2023 - May 20, 2024).

Funded
Xie, Ying, Zheng, Guangzhi, Shahriar, Hossain Mohammad, Pouriyeh, Seyedamin, Tian, Shirley, Zhao, Liang, "Affordable Learning Georgia (ALG) Round 22 MSIT Courses Continuous Improvement," Sponsored by Georgia BOR, Kennesaw State University, $10,000.00. (November 2022 - December 2023).

Funded
Zheng, Guangzhi, "Honey Baked Ham Dashboard Project," Sponsored by Honey Baked Ham, Private, $5,000.00. (January 2022 - May 2023).

Department of Software Engineering and Game Development

Dehbozorgi, Nasrin (Assistant Professor)

Funded
Dehbozorgi, Nasrin, "Graduate College (GRA hiring fund)," Sponsored by KSU, Kennesaw State University, $6,000.00. (2021 - Present).

Funded
Dehbozorgi, Nasrin (Principal), "PI Academy (GRA hiring grant)," Sponsored by KSU, Kennesaw State University, $6,000.00. (2021 - Present).

Funded
Dehbozorgi, Nasrin, "Graduate Student Assistant fund," Sponsored by KSU, Kennesaw State University, $6,000.00. (2023 - 2024).

Funded
Kendrick, Kaleigh (Co-Principal), Spoletini, Paola (Co-Principal), Dehbozorgi, Nasrin (Co-Principal), "Student Success Grant," Sponsored by KSU, Kennesaw State University, $402,557.00. (August 2021 - July 2024).

Funded
Dehbozorgi, Nasrin, "ACM CompED grant," Sponsored by Duke University, Federal, $1,000.00. (2023).

Funded
Lee, Soon, Dehbozorgi, Nasrin, "Automated Discourse Analysis System (ADAS) for K-12 Science Classrooms using AI Reinforcement Learning," Sponsored by BCOE, Kennesaw State University, $5,000.00. Applied or Integration/Application Scholarship (January 2023 - December 2023).

Funded
Dehbozorgi, Nasrin, "Travel fund to attend SIGCSE 23," Sponsored by ACM, $2,695.00. (2023).

Funded
Gopi, Sreekanth, Dehbozorgi, Nasrin, "Transforming Manufacturing with Edge Computing and Cloud Data Integration," Sponsored by Transatlantic AI Hackathon Competition, Other, $5,000.00. (2023).

Funded
Peltsverger, Svetlana, Yenduri, Sumanth, Spoletini, Paola, Dehbozorgi, Nasrin, MacClure, Ashley, "Help to Empower and Retain - Computing Students (HER-CS)," Sponsored by North Eastern University, Federal, $60,000.00. (2021 - 2023).

Funded
Dehbozorgi, Nasrin, "GTA hiring fund," Sponsored by Kennesaw State University, Kennesaw State University, $3,000.00. (January 2023 - May 2023).

Franklin, Mike M. (Associate Professor)

Funded
Franklin, Dennis Michael (Co-Principal), "EPIC Grant," Sponsored by EPIC Games, Private. Teaching and Learning Scholarship (June 1, 2020 - Present).

Huang, Yan (Assistant Professor)

Funded
Huang, Yan, Li, Joy, "Collaborative Research: IUSE: EDU: Innovative and Inclusive Undergraduate XR Engineering Education to Cultivate Future Metaverse Workforce," Sponsored by National Science Foundation, Federal, $205,584.00. (October 2023 - October 2026).

Funded
Huang, Yan, "Business Data Analysis and Customer Privacy Protection," Sponsored by Binesoft LLC, Local, $52,000.00. Applied or Integration/Application Scholarship (December 1, 2022 - December 31, 2025).

Funded
Huang, Yan, "Collaborative Research: SaTC: EDU: Fire and ICE: Raising Security Awareness through Experiential Learning Activities for Building Trustworthy Deep Learning-based Applications," Sponsored by NSF, Federal, $44,734.00. (2022 - 2025).

Funded
Huang, Yan (Principal), Li, Joy (Co-Principal), Yenduri, Sumanth (Supporting), " GenCyber-Middle School Cybersecurity Education via Virtual Reality," Sponsored by NSA/NSF 2023 GenCyber, Federal, $98,198.00. Applied or Integration/Application Scholarship (August 1, 2022 - July 30, 2024).

Jung, Sungchul (Assistant Professor)

Funded
Jung, Sungchul, "Innovative Courses in Computing," Sponsored by CCSE, $5,000.00. (2023).

Li, Joy (Assistant Professor)

Funded
Huang, Yan, Li, Joy, "Collaborative Research: IUSE: EDU: Innovative and Inclusive Undergraduate XR Engineering Education to Cultivate Future Metaverse Workforce," Sponsored by National Science Foundation, Federal, $205,584.00. (October 2023 - October 2026).

Funded
Razzak, Rehma, Li, Joy (Principal), He, Selena (Co-Principal), "Enhancing Stress Management and Driving Performance in Autistic Individuals Using a Virtual Reality Driving Game with Brief Integrated Bio- and Neurofeedback Intervention," Sponsored by Foundation for Neurofeedback and Neuromodulation Research (FNNR), Other, $3,000.00. (August 2023 - August 2024).

Funded
Huang, Yan (Principal), Li, Joy (Co-Principal), Yenduri, Sumanth (Supporting), " GenCyber-Middle School Cybersecurity Education via Virtual Reality," Sponsored by NSA/NSF 2023 GenCyber, Federal, $98,198.00. Applied or Integration/Application Scholarship (August 1, 2022 - July 30, 2024).

Funded
Adewuyi, Modupe, Li, Joy, "Enhancing Competence of Healthcare and Allied Professional Students in Managing Complex Dementia Behaviors through Gamified Virtual Reality: A

Pilot Study," Sponsored by Kennesaw State University, Kennesaw State University, $1,000.00. Applied or Integration/Application Scholarship (2023 - May 2024).

Funded
Keyser, Robert S. (Principal), Li, Lin (Co-Principal), Valero de Clemente, Maria A (Co-Principal), Li, Joy (Co-Principal), Acklen, Isabel (Supporting), "Assessing Cognitive Load and User Experience in Virtual Reality-Enhanced Blood Donation," Sponsored by Kennesaw State University/First-Year Scholars Program, Kennesaw State University, $2,000.00. (September 21, 2023 - May 15, 2024).

Funded
Keyser, Robert S. (Principal), Li, Lin (Co-Principal), Valero, Maria A (Co-Principal), Li, Joy (Co-Principal), Ukuku, Afekwo (Co-Principal), "The Virtual Reality (VR) Blood Donor Experience," Sponsored by Kennesaw State University, Kennesaw State University, $5,000.00. (August 14, 2023 - May 15, 2024).

Funded
Li, Joy (Principal), "Healthcare Cybersecurity Pathways," Sponsored by National Security Agency - subaward by University of Louisville, Federal, $50,982.00. (September 2022 - September 2023).

Funded
Li, Joy (Principal), "VR Support for Cybersecurity Workforce Development," Sponsored by National Security Agency - subaward by University of Louisville, Federal, $24,995.00. (September 2022 - August 2023).

Funded
Li, Joy (Principal), "CRII: CHS: Adaptive Virtual Environments for a Prolonged Exposure Therapy of Attention Deficits on Autism Spectrum," Sponsored by National Science Foundation, Federal, $174,498.00. Basic or Discovery Scholarship (April 2019 - March 2023).

Markowsky, George (Professor)

Funded
Li, Lei (Principal), Peltsverger, Svetlana B. (Co-Principal), Wu, Shaoen (Co-Principal), Pei, Yong (Co-Principal), Markowsky, George (Co-Principal), Hayes, Sherrill W. (Co-Principal), Meimandi Parizi, Reza (Co-Principal), "Empowering the Underrepresented: Building A Bridge to Advance the Participation of Minority Students in Computing Master’s Programs," Sponsored by MS Pathways to Computing Consortium, Private, $55,000.00. (November 2023 - December 2024).

Meimandi Parizi, Reza (Associate Professor)

Funded
Pouriyeh, Seyedamin (Principal), Meimandi Parizi, Reza (Co-Principal), Zhao, Liang (Co-Principal), "Enhancing Behavioral Anomaly Detection in Cybersecurity: From Research Advancements to Educational Initiatives Using HPCC Platform," Sponsored by HPCC Systems - LexisNexis, Private, $29,760.00. (December 2023 - Present).

Funded
Meimandi Parizi, Reza (Principal), "Automated Quantum Security Assessment and Auditing Tool for Software Applications," Sponsored by Georgia Research Alliance, State, $25,000.00. (2023 - Present).

Funded

Li, Lei (Principal), Peltsverger, Svetlana B. (Co-Principal), Wu, Shaoen (Co-Principal), Pei, Yong (Co-Principal), Markowsky, George (Co-Principal), Hayes, Sherrill W. (Co-Principal), Meimandi Parizi, Reza (Co-Principal), "Empowering the Underrepresented: Building A Bridge to Advance the Participation of Minority Students in Computing Master's Programs," Sponsored by MS Pathways to Computing Consortium, Private, $55,000.00. (November 2023 - December 2024).

Funded
Meimandi Parizi, Reza (Principal), Pouriyeh, Seyedamin (Co-Principal), "Zero-Touch Federated Learning for Privacy-aware Sensor Cloud Security," Sponsored by SunTrust, Private, $7,500.00. (March 2022 - 2023).

Murphy, Nick D. (Lecturer)

Funded
Murphy, Nick (Principal), "Faculty Capstone Mentorship Funding Award," Sponsored by Kennesaw State University, Kennesaw State University, $2,500.00. (May 5, 2023 - June 13, 2024).

Funded
Murphy, Nick (Principal), "Faculty Capstone Mentorship Funding Award," Sponsored by Kennesaw State University, Kennesaw State University, $2,500.00. (November 10, 2022 - January 13, 2024).

Spoletini, Paola (Professor)

Funded
Peltsverger, Svetlana B., Spoletini, Paola, Forsyth, William, "Help to Empower and Retain - Computing Students (HER-CS)," Sponsored by Northeastern University, Other, $60,000.00. (October 2021 - October 2024).

Funded
Kendrick, Kaleigh (Co-Principal), Spoletini, Paola (Co-Principal), Dehbozorgi, Nasrin (Co-Principal), "Student Success Grant," Sponsored by KSU, Kennesaw State University, $402,557.00. (August 2021 - July 2024).

Spoletini, Paola, "A socio-technical approach to guarantee privacy by design," Sponsored by NSF-BSF, Federal. (2023 - Present).

Yenduri, Sumanth (Professor)

Funded
Huang, Yan (Principal), Li, Joy (Co-Principal), Yenduri, Sumanth (Supporting), " GenCyber-Middle School Cybersecurity Education via Virtual Reality," Sponsored by NSA/NSF 2023 GenCyber, Federal, $98,198.00. Applied or Integration/Application Scholarship (August 1, 2022 - July 30, 2024).

School of Data Science and Analytics

Bell, Marla M. (Professor)

Funded
Reese, Scott A., Anderson, Mark Randall, Bell, Marla, Epps, Adrian L., Callahan, Kadian Marisa, "Inclusive Excellence in STEM.," Sponsored by Howard Hughes Medical Institute, $1,000,000.00. (2023).

Ferguson, Amanda Nicole (Principal), Woo, Jessica (Supporting), Gittner, Kevin (Supporting), Bell, Marla (Supporting), Matheny, Lauren (Supporting), "Gerber Foundation (updated grant submission)," Sponsored by Gerber Foundation, Private. Basic or Discovery Scholarship (March 2022 - Present).

Brown, Austin (Assistant Professor)

Funded
Rhodes, Andrea, Brown, Austin (Supporting), "Colorado State University Environmental Engineering Project," Sponsored by Colorado State University, $7,500.00. (February 2023 - Present).

Funded
Kliszczewicz, Brian Matthew, Buresh, Robert J., Brown, Austin, "High Intensity Body-weight Circuit Training Feasibility and Efficacy for Improving Metabolic Profile, Body Composition, and Health-Related Fitness in Middle Aged Persons with Type 2 Diabetes," Sponsored by NIH, Federal, $300,000.00. (2020 - Present).

Funded
Geil, Mark (Principal), Brown, Austin (Principal), "Toward a Quantitative Understanding of Infant Crawling Development," Sponsored by The Gerber Foundation, Private, $314,513.00. Basic or Discovery Scholarship (July 2022 - June 2025).

Funded
Brown, Austin, Reith, Matthew, "SQL Code Review and Publication Development," Sponsored by Georgia Department of Juvenile Justice, State, $46,000.00. Basic or Discovery Scholarship (August 2023 - July 2024).

Funded
Brown, Austin, Jamaloodeen, Faheem, "SQL Code Review and Publication Development," Sponsored by Georgia Department of Juvenile Justice, State, $46,000.00. Basic or Discovery Scholarship (August 2022 - July 2023).

Ferguson, Nicole N. (Associate Professor)

Funded
Ferguson, Amanda Nicole (Principal), Olsen, Irene E (Supporting), "Determining what values in growth curves best classify small and large-for-gestational age in preterm infants to predict morbidity and mortality," Sponsored by Gerber Foundation, Private, $334,233.00. (January 1, 2020 - June 2024).

Funded

Ferguson, Amanda Nicole (Supporting), "R15 REAP Award: Risk for Gestational Diabetes: A Condition of Abdominal Fatness or Sedentariness?," Sponsored by NIH/NICHD, Federal, $406,255.00. (August 2020 - July 2023).

Funded

Ingram, Katherine Heimburger (Principal), Amason, Janeen S. (Supporting), Kliszczewicz, Brian Matthew (Supporting), Ferguson, Amanda Nicole (Supporting), "R15 REAP Award: Risk for Gestational Diabetes: A Condition of Abdominal Fatness or Sedentariness?," Sponsored by NIH/NICHD, Federal, $406,255.00. (August 2020 - July 2023).

Ferguson, Amanda Nicole (Principal), Woo, Jessica (Supporting), Gittner, Kevin (Supporting), Bell, Marla (Supporting), Matheny, Lauren (Supporting), "Gerber Foundation (updated grant submission)," Sponsored by Gerber Foundation, Private. Basic or Discovery Scholarship (March 2022 - Present).

Gardner, Kimberly Gardner D. (Professor)

Funded

Zheng, Guangzhi (Co-Principal), Chen, Estella Bau (Co-Principal), Cooper, Jennifer (Co-Principal), Gardner, Kimberly D. (Co-Principal), "Analytics for Assessing and Improving Student Success," Sponsored by CSM, Kennesaw State University, $33,835.00. (August 2022 - May 2024).

Funded

Gardner, Kimberly D. (Principal), Taasoobshirazi, Gita (Principal), "Innovative Course in Computing - Introduction to Digital Methods," Sponsored by College of Computer Science & Software Engineering, Kennesaw State University, $2,000.00. Teaching and Learning Scholarship (December 2022 - August 2023).

Funded

Gardner, Kimberly D., "Intersectionality in STEM as a Title IX Issue," Sponsored by Kennesaw State University, Other, $6,000.00. Teaching and Learning Scholarship (August 2022 - May 2023).

Gittner, Kevin B. M. (Assistant Professor)

Funded

Gittner, Kevin (Supporting), "TOPOWA women's study (Grant number 5R01MH128930-02)," Sponsored by National Institute of Mental Health, Federal, $8,900.00. Basic or Discovery Scholarship (August 2022 - January 2026).

Funded

Truong, An (Principal), Matheny, Lauren (Supporting), Gittner, Kevin (Supporting), "KSU Undergraduate Research and Creative Activities (URCA) Funds 2023," Sponsored by KSU, Kennesaw State University, $1,000.00. Basic or Discovery Scholarship (September 2023 - May 2024).

Funded

Lewis, Andy (Principal), Gittner, Kevin (Supporting), Matheny, Lauren (Supporting), "KSU Undergraduate Research and Creative Activities (URCA) Funds 2023," Sponsored by KSU, Kennesaw State University, $1,000.00. Basic or Discovery Scholarship (September 2023 - May 2024).

Funded

Gittner, Kevin, Matheny, Lauren, "CCSE funded graduate research assistant AY 2023-2024," Sponsored by CCSE, Kennesaw State University, $9,000.00. Basic or Discovery Scholarship (August 2023 - May 2024).

Funded
Gittner, Kevin, Matheny, Lauren, "Data Quality and Control Integration in Online Data Collection for Crowdsourcing Platforms," Sponsored by CCSE, Kennesaw State University, $4,500.00. Basic or Discovery Scholarship (March 2023 - June 2023).

Funded
Gittner, Kevin, Matheny, Lauren, "CCSE funded graduate research assistant AY 2022-2023," Sponsored by CCSE, Kennesaw State University, $9,000.00. Basic or Discovery Scholarship (August 2022 - May 2023).

Ferguson, Amanda Nicole (Principal), Woo, Jessica (Supporting), Gittner, Kevin (Supporting), Bell, Marla (Supporting), Matheny, Lauren (Supporting), "Gerber Foundation (updated grant submission)," Sponsored by Gerber Foundation, Private. Basic or Discovery Scholarship (March 2022 - Present).

Dai, Minhao (Principal), Wright, LaNita (Co-Principal), Roach, Amy (Supporting), Gittner, Kevin (Supporting), "Practice Transformation to Improve Healthcare Providers and Staff's Skills to Serve Transgender and Gender Non-Binary (TGN) Patients," Sponsored by National Institute on Minority Health and Disparities (NIMHD), Federal, $600,000.00. (September 2022 - December 2024).

Matheny, Lauren (Assistant Professor)

Funded
Truong, An (Principal), Matheny, Lauren (Supporting), Gittner, Kevin (Supporting), "KSU Undergraduate Research and Creative Activities (URCA) Funds 2023," Sponsored by KSU, Kennesaw State University, $1,000.00. Basic or Discovery Scholarship (September 2023 - May 2024).

Funded
Lewis, Andy (Principal), Gittner, Kevin (Supporting), Matheny, Lauren (Supporting), "KSU Undergraduate Research and Creative Activities (URCA) Funds 2023," Sponsored by KSU, Kennesaw State University, $1,000.00. Basic or Discovery Scholarship (September 2023 - May 2024).

Funded
Gittner, Kevin, Matheny, Lauren, "CCSE funded graduate research assistant AY 2023-2024," Sponsored by CCSE, Kennesaw State University, $9,000.00. Basic or Discovery Scholarship (August 2023 - May 2024).

Funded
Matheny, Lauren, "Professional Development Grant for PI Academy Completion," Sponsored by Research Development and Strategic Initiatives in the Office of Research, Kennesaw State University, $2,000.00. (2022 - 2023).

Funded
Gittner, Kevin, Matheny, Lauren, "Data Quality and Control Integration in Online Data Collection for Crowdsourcing Platforms," Sponsored by CCSE, Kennesaw State University, $4,500.00. Basic or Discovery Scholarship (March 2023 - June 2023).

Funded

Gittner, Kevin, Matheny, Lauren, "CCSE funded graduate research assistant AY 2022-2023," Sponsored by CCSE, Kennesaw State University, $9,000.00. Basic or Discovery Scholarship (August 2022 - May 2023).

Ferguson, Amanda Nicole (Principal), Woo, Jessica (Supporting), Gittner, Kevin (Supporting), Bell, Marla (Supporting), Matheny, Lauren (Supporting), "Gerber Foundation (updated grant submission)," Sponsored by Gerber Foundation, Private. Basic or Discovery Scholarship (March 2022 - Present).

Ni, Sherry (Professor)

Funded
Ni, Sherry (Principal), "Sample and Extrapolation Validation," Sponsored by Myers and Stauffer LC, Private, $37,500.00. Applied or Integration/Application Scholarship (January 1, 2022 - December 31, 2024).

Funded
Ni, Sherry (Principal), "Customer Level and Product Level Churn Analysis," Sponsored by Southern Company, Private, $5,000.00. Applied or Integration/Application Scholarship (August 1, 2023 - December 31, 2023).

Ray, Gene E. (Associate Professor)

Funded
Ray, Herman Eugene, "Clinical Pathway Project - SEER Linked to Medicare Data," Sponsored by CCSE, Kennesaw State University, $12,300.00. (September 1, 2023 - Present).

Funded
Ray, Herman Eugene, "SDOH at GME IM Marietta Clinic," Sponsored by WellStar Health Sysstem, Local, $5,000.00. Applied or Integration/Application Scholarship (May 25, 2023 - July 31, 2023).

Taasoobshirazi, Gita (Associate Professor)

Funded
Taasoobshirazi, Gita, "Evaluating high impact practices for minority women in STEM using machine learning.," Sponsored by KSU Healthcare Management and Informatics Fellowship, Kennesaw State University, $10,000.00. (2023).

Funded
Gardner, Kimberly D. (Principal), Taasoobshirazi, Gita (Principal), "Innovative Course in Computing - Introduction to Digital Methods," Sponsored by College of Computer Science & Software Engineering, Kennesaw State University, $2,000.00. Teaching and Learning Scholarship (December 2022 - August 2023).

Woo, MinJae (Assistant Professor)

Funded
Woo, MinJae, "KSU / Equifax Ethical AI Research Lab," Sponsored by Equifax Inc, Private, $110,000.00. (July 29, 2021 - July 31, 2023).

Zhang, Xinyan (Abby) (Assistant Professor)

Funded
Zhang, Xinyan (Supporting), Lee, Seung (Principal), "Affordable shortwave speckle contrast optical spectroscopy for stroke screening in children with sickle cell disease," Sponsored by National Institute of Health, Federal, $426,714.00. (September 21, 2023 - September 20, 2026).

Funded
He, Selena (Principal), Tian, Shirley (Co-Principal), "REU Site: Non-Invasive Deep Brain-Computer Interfaces," Sponsored by National Science Foundation, Federal, $323,650.00. (May 1, 2023 - April 30, 2025).

Funded
ADEWUYI, Modupe (Principal), Zhang, Xinyan (Co-Principal), Ramos, Mary (Co-Principal), Martin, Camron (Supporting), "Empowering Dementia Informal Caregivers in Managing behavioral symptoms with Generative AI Voice Assistant Education and Guidance App: A Pilot Feasibility Study," Sponsored by Kennesaw state university, Kennesaw State University, $5,300.00. Applied or Integration/Application Scholarship (2023).

Funded
He, Selena, Tian, Shirley, Lee, Ahyoung, Zhang, Xinyue, Valero de Clemente, Maria A, Li, Zhigang, Zhang, Xinyan, Bhattacharya, Sylvia, "NSF REU SITE: Non-Invasive Deep Brain-Computed Interfaces 2023," Sponsored by NSF, Federal. (May 26, 2023 - July 28, 2023).

Funded
Hester, Garrett (Principal), Zhang, Xinyan (Supporting), "Sex Differences in Muscle Dysfunction and Mobility after Acute Physical Inactivity in Older Adults," Sponsored by Kennesaw State University, Kennesaw State University, $15,000.00. (August 2022 - May 31, 2023).