

# Contracts, Grants and Sponsored Research

Kennesaw State University  
January 1, 2022 - December 31, 2022

## 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*

Aygun, Ramazan (Principal), "Traveler's Research Lab 2021-22," Sponsored by The Travelers Indemnity Company, Private, \$54,000.00. (September 1, 2021 - May 31, 2022).

*Funded*

Aygun, Ramazan, "Student Assistant Support for Building a Prototype for Online Learning System," Sponsored by Alabama A&M University, Other, \$5,800.00. (September 1, 2021 - January 1, 2022).

### 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, Tian, Shirley, "REU Site - RIDS: Summer Research for Undergraduates in Robust Intelligent Non-Invasive Deep Brain-Computer Interface Systems," Sponsored by NSF, Federal, \$323,650.00. Basic or Discovery Scholarship (May 1, 2022 - December 30, 2022).

*Funded*

He, Selena, "A Deep Learning Based Electroencephalogram (EEG) Driven Brain Control System: Proof-of Concept Implementations on Robotics," Sponsored by College of Computing and Software Engineering, Kennesaw State University, \$2,400.00. Basic or Discovery Scholarship (January 2022 - June 2022).

*Funded*

Jin, Yi (Principal), Harron, Jason (Co-Principal), He, Selena (Co-Principal), "CT for Teacher Education Research Team," Sponsored by Bagwell College of Education, Kennesaw State University, \$2,000.00. Basic or Discovery Scholarship (May 2021 - May 2022).

*Funded*

MacDonald, Leo (Principal), He, Selena (Principal), "Georgia Pacific Dynamic Pricing Predication Model," Sponsored by Georgia Pacific, Private, \$80,000.00. Basic or Discovery Scholarship (May 1, 2021 - April 30, 2022).

### **Karakaya, Mahmut (Assistant Professor)**

*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).

*Funded*

Karakaya, Mahmut, "OVPR Seed Grant: Computerized Assessment and Real-Time Assistance for 3D Cataract Surgeries," Kennesaw State University, \$14,919.00. (August 2021 - June 2022).

*Funded*

Karakaya, Mahmut, "Retinal imaging for diabetic retinopathy detection," Sponsored by Office of Research, Kennesaw State University, \$6,000.00. (August 2021 - May 2022).

### **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*

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).

*Funded*

Khan, Md Abdullah Al Hafiz (Principal), "GRA\_2022\_April: Non-invasive Brainwave to Text Conversion," Sponsored by Graduate College, College of Computing and Software Engineering, Kennesaw State University, \$4,500.00. (August 2022 - December 2022).

*Funded*

Khan, Md Abdullah Al Hafiz (Principal), "Summer Undergraduate Research Program (SURP) 2022: Human thoughts to text using brain- wave sensor signals," Sponsored by Office of Undergraduate Research, Kennesaw State University, \$10,500.00. (June 2022 - July 2022).

*Funded*

Khan, Md Abdullah Al Hafiz (Principal), "Summer Research Fellows Program 2022: Learning and improving post-stroke patient-caregiver relationship using smart health technology," Sponsored by Research Development & Strategic Initiatives, Office of Research, KSU, Kennesaw State University, \$10,000.00. (January 23, 2022 - July 22, 2022).

*Funded*

Khan, Md Abdullah Al Hafiz (Principal), "External Mentor Program," Sponsored by Office of Research's External Mentor Program, Kennesaw State University, \$5,000.00. (July 1, 2022).

*Funded*

Khan, Md Abdullah Al Hafiz (Principal), "FYSP 2021-2022: Automated Action Detection Using Brain Wave Signal," Sponsored by Undergraduate Office of research, Kennesaw State University, \$2,000.00. (September 15, 2021 - May 30, 2022).

**Lee, Ahyoung (Assistant Professor)**

*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*

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).

*Funded*

Huang, Yan, Lee, Ahyoung, "Suntrust Fellow: Building a Secure, Robust, and Customizable Framework for Personalized Federated Learning," Sponsored by Suntrust Fellow: Building a Secure, Robust, and Customizable Framework for Personalized Federated Learning, Kennesaw State University, \$7,500.00. Applied or Integration/Application Scholarship (August 2021 - July 2022).

*Funded*

Lee, Ahyoung (Principal), "Request GRAs Proposal (June22)," Sponsored by KSU, Kennesaw State University. Basic or Discovery Scholarship (June 1, 2022 - June 30, 2022).

*Funded*

Lee, Ahyoung (Principal), "Request GRAs and URAs Proposal (Spring22)," Sponsored by KSU, Kennesaw State University. Basic or Discovery Scholarship (January 10, 2022 - May 13, 2022).

*Funded*

Lee, Ahyoung (Principal), "Request GRAs Proposal (Fall21 and Spring22)," Sponsored by KSU, Kennesaw State University. Basic or Discovery Scholarship (August 15, 2021 - May 13, 2022).

**Lee, Sanghoon**

*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, "CR11: 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).

*Funded*

Nguyen, Tu, Le, Linh, "Enhancing Reliability and Confidentiality for Information Sharing over 5G Radio Access Network Slicing," Sponsored by SunTrust Bank, Kennesaw State University, \$7,500.00. (2022).

*Funded*

Nguyen, Tu, "CCSE: Postdoc: Towards Scalable Integrated Air-Quality Monitoring Cyber-Physical Sensing Systems," Sponsored by Kennesaw State University, Kennesaw State University, \$75,000.00. Applied or Integration/Application Scholarship (2021 - December 2022).

### **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, Subramaniam, Mahadevan, Weitz-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).

*Funded*

Parakh, Abhishek, Subramaniam, Mahadevan, "Quantino: Towards quantum cryptography intelligent notebooks," Sponsored by University Committee on Research and Creativity Activity (UCRCA), The Office of Research and Creative Activity, University of Nebraska Omaha, State, \$10,000.00. (2021 - 2022).

*Funded*

Parakh, Abhishek, Khazanchi, Deepak, "Indo-US Partnership 2020: Cybersecurity Consortium," Sponsored by US Department of State (DOS), Federal, \$113,908.00. (2019 - 2022).

*Funded*

Mahoney, William, Parakh, Abhishek, Gandhi, Robin, Hale, Matthew, "Scholarship for Service (SfS)," Sponsored by National Science Foundation (NSF), Federal, \$2,170,960.00. (2018 - 2022).

**Shaw, Alan (Associate Professor)**

*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).

*Funded*

Lawler, Brian, Shaw, Alan, "Codebreakers: Solving puzzles with python," Sponsored by Clayton County Public Schools, Local, \$40,600.00. (April 2022 - July 2022).

### **Shi, Yong (Associate Professor)**

*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).

*Funded*

Shi, Yong (Principal), "ALG: Revision of open educational resources (OER) used in CS 4524," Sponsored by Affordable Learning Georgia, State, \$2,800.00. Teaching and Learning Scholarship (May 2021 - May 2022).

### **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), "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).

*Funded*

Suo, Kun (Principal), "OVPR Seed Grant," Sponsored by Kennesaw state university, Kennesaw State University, \$15,000.00. (July 1, 2021 - June 30, 2022).

*Funded*

Suo, Kun (Principal), "First Year Scholars Program," Sponsored by The Office of Undergraduate Research, Kennesaw State University, \$2,000.00. (September 2021 - May 2022).

*Funded*

Suo, Kun (Principal), "Sophomore Scholars Program," Sponsored by The Office of Undergraduate Research, Kennesaw State University, \$2,000.00. (August 2021 - May 2022).

### **Zhang, Xinyue (Assistant Professor)**

*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*

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).

*Funded*

Zhang, Xinyue (Principal), "First-Year Scholars Program: Keep Your Data and Take Surveys: Secure and Private Data Aggregation," Sponsored by Office of Undergraduate Research, Kennesaw State University, \$4,000.00. (September 1, 2021 - May 1, 2022).

## **Department of Information Technology**

### **Forsyth, William D. (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*

Shahriar, Hossain Mohammad (Principal), Halstead-Nussloch, Richard (Co-Principal), Privitera, Donald (Co-Principal), Forsyth, William (Co-Principal), Jamison, Jamie (Co-Principal), "ALG R20 Continuous Improvement Grant of BSIT," Sponsored by USG Affordable Learning Georgia, State, \$10,000.00. (December 2021 - December 2022).

### **Jamison, Jamie K.-J. (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).

*Funded*

Shahriar, Hossain Mohammad (Principal), Halstead-Nussloch, Richard (Co-Principal), Privitera, Donald (Co-Principal), Forsyth, William (Co-Principal), Jamison, Jamie (Co-Principal), "ALG R20 Continuous Improvement Grant of BSIT," Sponsored by USG Affordable Learning Georgia, State, \$10,000.00. (December 2021 - December 2022).

### **Le, Linh T. (Assistant 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*

Nguyen, Tu, Le, Linh, "Enhancing Reliability and Confidentiality for Information Sharing over 5G Radio Access Network Slicing," Sponsored by SunTrust Bank, Kennesaw State University, \$7,500.00. (2022).

*Funded*

Li, Lei, Rutherford, Rebecca, Li, Zhigang, Tian, Shirley, Le, Linh, Morrow, Darin, "ALG Round 20 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (November 2021 - December 2022).



*Funded*

Nguye, Tu N, Le, Linh, "Enhancing Reliability and Confidentiality for Information Sharing over 5G Radio Access Network Slicing," Sponsored by Institute for Cybersecurity Workforce Development, Kennesaw State University, \$7,500.00. (May 2022 - July 2022).

*Funded*

Xie, Ying, Chakravarty, Sumit, Le, Linh, Ordonez, Pablo, Hales, Michael Earl, Johnson II, John D., "An Intelligent Cyber Physical Social System for Action Intelligence," Sponsored by Office of Research (Interdisciplinary Innovation Initiative -I3), Kennesaw State University, \$50,000.00. Basic or Discovery Scholarship (August 2020 - June 2022).

*Funded*

Li, Lei, Halstead-Nussloch, Richard, Xie, Ying, Zhang, Chi, Le, Linh, "ALG Round 19 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (March 2021 - May 2022).

*Funded*

Le, Linh, "Cognira Data Science Research Lab," Sponsored by Cognira, Private, \$60,000.00. Basic or Discovery Scholarship (February 1, 2021 - March 15, 2022).

**Li, Lei (Professor)**

*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), Pouriye, 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), Pouriye, 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*

Li, Lei, Rutherford, Rebecca, Li, Zhigang, Tian, Shirley, Le, Linh, Morrow, Darin, "ALG Round 20 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (November 2021 - December 2022).

*Funded*

Li, Lei, Halstead-Nussloch, Richard, Xie, Ying, Zhang, Chi, Le, Linh, "ALG Round 19 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (March 2021 - May 2022).

**Li, Zhigang (Assistant 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*

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), Pouriye, 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*

Li, Lei, Rutherford, Rebecca, Li, Zhigang, Tian, Shirley, Le, Linh, Morrow, Darin, "ALG Round 20 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (November 2021 - December 2022).

*Funded*

Li, Zhigang, "WiCyS Faculty Grant," Sponsored by WiCyS Conference, Other, \$1,500.00. (March 17, 2022 - March 19, 2022).

**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).

*Funded*

Li, Lei, Rutherford, Rebecca, Li, Zhigang, Tian, Shirley, Le, Linh, Morrow, Darin, "ALG Round 20 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (November 2021 - December 2022).

**Peltsverger, Svetlana B. (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).

### **Pouriyeh, Seyedamin (Assistant Professor)**

*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*

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).

*Funded*

Shahriar, Hossain Mohammad, Valero, Maria A, Zhao, Liang, Pouriyeh, Seyedamin, Tian, Shirley, "ALG Round 19 - MSIT Course Revision," Sponsored by Board of Regents of the University System of Georgia (BOR), State, \$10,000.00. Teaching and Learning Scholarship (March 19, 2021 - August 15, 2022).

*Funded*

Pouriyeh, Seyedamin, "The Role of Federated Learning in Diagnosis of COVID-19," Sponsored by KSU First-Year Scholars Program - Office of Undergraduate Research, Kennesaw State University, \$4,000.00. (September 2021 - May 2022).

### **Privitera, Donald A. (Lecturer)**

*Funded*

Shahriar, Hossain Mohammad (Principal), Halstead-Nussloch, Richard (Co-Principal), Privitera, Donald (Co-Principal), Forsyth, William (Co-Principal), Jamison, Jamie (Co-Principal), "ALG R20 Continuous Improvement Grant of BSIT," Sponsored by USG Affordable Learning Georgia, State, \$10,000.00. (December 2021 - December 2022).

### **Sakib, Nazmus (Assistant Professor)**

*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 (Assistant 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, 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, Pouriye, 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*

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, Rutherford, Rebecca, Li, Zhigang, Tian, Shirley, Le, Linh, Morrow, Darin, "ALG Round 20 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (November 2021 - December 2022).

*Funded*

He, Selena, Tian, Shirley, "REU Site - RIDS: Summer Research for Undergraduates in Robust Intelligent Non-Invasive Deep Brain-Computer Interface Systems," Sponsored by NSF, Federal, \$323,650.00. Basic or Discovery Scholarship (May 1, 2022 - December 30, 2022).

*Funded*

Shahriar, Hossain Mohammad, Valero, Maria A, Zhao, Liang, Pouriye, Seyedamin, Tian, Shirley, "ALG Round 19 - MSIT Course Revision," Sponsored by Board of Regents of the University System of Georgia (BOR), State, \$10,000.00. Teaching and Learning Scholarship (March 19, 2021 - August 15, 2022).

*Funded*

Tian, Shirley, "Faculty Grant Wicys 2022," Sponsored by WiCys, Other, \$1,000.00. (March 17, 2022 - March 19, 2022).

**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), Pouriye, 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, 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*

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).

*Funded*

Ahamed, Sheikh (Principal), Shahriar, Hossain Mohammad (Co-Principal), Valero de Clemente, Maria A (Co-Principal), "Supporting Student Participation and Distinguished Speakers in the Biomedical Engineering Research Community for IEEE International Conference on Digital Health 2021," Sponsored by National Science Foundation, Federal, \$4,400.00. (October 1, 2021 - September 30, 2022).

*Funded*

Shahriar, Hossain Mohammad, Valero, Maria A, Zhang, Chi, Sneha, Sweta, "A Framework for mHealth App Security and Privacy Analysis," Sponsored by National Institute of Health, Federal, \$103,391.00. (September 14, 2021 - August 2022).

*Funded*

Shahriar, Hossain Mohammad, Valero, Maria A, Zhao, Liang, Pouriye, Seyedamin, Tian, Shirley, "ALG Round 19 - MSIT Course Revision," Sponsored by Board of Regents of the University System of Georgia (BOR), State, \$10,000.00. Teaching and Learning Scholarship (March 19, 2021 - August 15, 2022).

*Funded*

Valero, Maria A, "Summer Research Fellows Program 2022," Sponsored by Kennesaw State University, Kennesaw State University, \$10,000.00. Basic or Discovery Scholarship (May 2022 - July 2022).

*Funded*

Valero, Maria A, "Office of Research's External Mentor Program," Sponsored by Kennesaw State University, Kennesaw State University, \$5,000.00. Basic or Discovery Scholarship (November 2021 - July 2022).

*Funded*

Valero, Maria A, "Design and Implementation of a IoT Testbed for Secure Software Deployment and Testing using Containerization.," Sponsored by Office of Research - OVPR Seed Grant, Kennesaw State University, \$14,907.89. Basic or Discovery Scholarship (July 2021 - June 2022).

*Funded*

Valero, Maria A, "Critical health vital signs data storing and retrieval via Blockchain," Sponsored by Graduate College KSU, Kennesaw State University, \$9,000.00. Basic or Discovery Scholarship (June 2021 - May 2022).

**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, Pouriye, 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).

*Funded*

Xie, Ying, Chakravarty, Sumit, Le, Linh, Ordonez, Pablo, Hales, Michael Earl, Johnson II, John D., "An Intelligent Cyber Physical Social System for Action Intelligence," Sponsored by Office of Research (Interdisciplinary Innovation Initiative -I3), Kennesaw State University, \$50,000.00. Basic or Discovery Scholarship (August 2020 - June 2022).

*Funded*

Li, Lei, Halstead-Nussloch, Richard, Xie, Ying, Zhang, Chi, Le, Linh, "ALG Round 19 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (March 2021 - May 2022).

**Yang, Ming (Professor)**

*Funded*

Li, Lei (Principal), Li, Zhigang (Co-Principal), Pouriye, 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*

Shahriar, Hossain Mohammad, Valero, Maria A, Zhang, Chi, Sneha, Sweta, "A Framework for mHealth App Security and Privacy Analysis," Sponsored by National Institute of Health, Federal, \$103,391.00. (September 14, 2021 - August 2022).

*Funded*

Li, Lei, Halstead-Nussloch, Richard, Xie, Ying, Zhang, Chi, Le, Linh, "ALG Round 19 Continuous Improvement Grant," Sponsored by Affordable Learning Georgia, State, \$10,000.00. (March 2021 - May 2022).

**Zhao, Liang (Assistant Professor)**

*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*

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*

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, "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).

*Funded*

Shahriar, Hossain Mohammad, Valero, Maria A, Zhao, Liang, Pouriyeh, Seyedamin, Tian, Shirley, "ALG Round 19 - MSIT Course Revision," Sponsored by Board of Regents of the University System of Georgia (BOR), State, \$10,000.00. Teaching and Learning Scholarship (March 19, 2021 - August 15, 2022).

*Funded*

Zhao, Liang, "GRA/URA Award," Sponsored by CCSE, Kennesaw State University, \$6,900.00. (January 2022 - May 2022).

*Funded*

Zhao, Liang, "Artificial Intelligence for Diabetes Care," Sponsored by Kennesaw State University-First Year Scholar Program, \$3,000.00. (September 2021 - May 2022).

*Funded*

Zhao, Liang, "GRA Award," Sponsored by CCSE, Kennesaw State University, \$12,000.00. (June 2021 - May 2022).

**Zheng, Jack (Associate 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*

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*

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*

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, "Peer Instruction Workshop," Sponsored by University of Michigan, \$1,000.00. (2022).

*Funded*

Svetlana Peltsverger, Dehbozorgi, Nasrin, Yenduri, Sumanth, Spoletitni, Paola, MacClure, Ashley, "Help to Empower and Retain - Computing Students (HER-CS)," Sponsored by KSU, \$60,000.00. (2021 - 2022).

### 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).

*Funded*

Wilson, Matthew L. (Co-Principal), Franklin, Dennis Michael (Co-Principal), "Using Pedagogical Agent Avatars to Improve Writing Ability and Develop a Writer's Identity Within Upper Elementary School Students OVPR Seed Grant," Sponsored by Kennesaw State University, State, \$7,500.00. (August 2020 - June 2022).

### Huang, Yan (Assistant Professor)

*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).

*Funded*

Huang, Yan, Lee, Ahyoung, "Suntrust Fellow: Building a Secure, Robust, and Customizable Framework for Personalized Federated Learning," Sponsored by Suntrust Fellow: Building a Secure, Robust, and Customizable Framework for Personalized Federated Learning, Kennesaw State University, \$7,500.00. Applied or Integration/Application Scholarship (August 2021 - July 2022).

**Jung, Sungchul (Assistant Professor)**

*Funded*

Jung, Sungchul, "External mentor program," Sponsored by Research Office, \$1,000.00. (2022).

*Funded*

Jung, Sungchul, "Office of Research Summer Research Fellows program," Sponsored by Office of Research, Kennesaw State University, \$10,000.00. (May 2022 - June 2022).

**Li, Joy (Assistant 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).

*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).

### **Meimandi Parizi, Reza (Associate Professor)**

*Funded*

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

*Funded*

Meimandi Parizi, Reza, "2022 Entrepreneurship Fellowship Program," Sponsored by Robin and Doug Shore Entrepreneurship and Innovation Center, Kennesaw State University, \$5,000.00. (2022).

### **Murphy, Nick D. (Lecturer)**

*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).

*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, 2022).

### **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*

Epps, Adrian L., Anderson, Mark Randall, Reese, Scott A., Bell, Marla, Callahan, Kadian Marisa, "Improving STEM student success in the College of Science and Mathematics," Sponsored by University System of Georgia, \$375,000.00. (2022).

### **Brown, Austin (Assistant Professor)**

*Funded*

Kluszczewicz, 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, Jamalooden, 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).

*Funded*

Brown, Austin (Principal), Koonjah, Yashila (Supporting), "SQL Code Review and Publication Development," Sponsored by Georgia Department of Juvenile Justice, State, \$46,000.00. Basic or Discovery Scholarship (August 2021 - July 2022).

### **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 Heimbarger (Principal), Amason, Janeen S. (Supporting), Kluszczewicz, 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).

### **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), Taasobshirazi, 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*

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).

*Funded*

Rohrig, Tyler (Principal), Grasty, Shalynne (Co-Principal), Gittner, Kevin (Supporting), Ukuku, Afekwo (Supporting), "KSU Undergraduate Research and Creative Activities Funds 2022," Sponsored by KSU, Kennesaw State University, \$2,000.00. Basic or Discovery Scholarship (February 1, 2022 - November 2022).

*Funded*

Gittner, Kevin, "SouthEast SAS Users Group Academic Faculty Grants," Sponsored by SouthEast SAS Users Group, Private, \$400.00. Basic or Discovery Scholarship (October 2022).

*Funded*

Gittner, Kevin, "CCSE funded graduate research assistant spring 2022," Sponsored by CCSE, Kennesaw State University, \$4,500.00. Basic or Discovery Scholarship (January 2022 - May 2022).

### **Matheny, Lauren (Assistant Professor)**

*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, "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).

**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), "Javis Chatbot System Improvements," Sponsored by Southern Company, Private, \$5,000.00. Applied or Integration/Application Scholarship (August 1, 2022 - December 31, 2022).

**Taasoobshirazi, Gita (Associate Professor)**

*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*

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).