2021 National Symposium for NSF REU Research in Data Science, Systems, and Security (REU 2021 Symposium)		
December 15, 2021		
Symposium Website: Program Chairs:		
University of Maryland, Baltimore County, Organizer of		
, University of Maryland, Baltimore County, Co-organizer of		
• University of Maryland, Baltimore County, Organizer of Maryland, Maryla		
• Stony Brook University, Organizer of		
Time (ET)	Title	Presenter/Author
Session 1 (Data Science)		
9:00-9:20	SP06209: Drug-Drug Interaction Prediction: a Purely SMILES Based Approach	Bri Bumgardner, Farhan Tanvir, Khaled Mohammed Saifuddin, and Esra Akbas
9:40-10:00	SP06214: Promising Hyperparameter Configurations for Deep Fully Connected Neural Networks to Improve Image Reconstruction in Proton Radiotherapy	Sokhna York, Alina Ali, David Lashbrooke, Rodrigo Yepez-Lopez, Carlos Barajas, Matthias Gobbert, and Jerimy Polf
10:00-10:20	SP06207: Convolutional Neural Network Optimization for Phishing Email Classification	Cameron McGinley and Sergio Salinas Monroy
10:20-10:40	SP06205: Overhead Projection Approach For Multi-Camera Vehicle Activity Recognition	George Strauch, JiaJian Lin, and Jelena Tesic
Coffee Break		
Session 2 (Systems)		
11:00-11:20	SP06213: 3D Modeling of Cities for Virtual Environments	Calvin Davis, Jaired Collins, Emily Lattanzio, Joshua Fraser, Shizeng Yao, Haoxiang Zhang, Bimal Balakrishnan, Ye Duan, Prasad Calyam, and Kannappan Palaniappan
11:20-11:40	SP06211: Woolery: Extending Frame Semantics to Structured Documents	Chloe Eggleston and Jeremy Abramson
11:40-12:00	SP06206: Creation of EMA-KN – A Knowledge Network for Ecological Momentary Assessment	Cade Winters, Justin Ebby Varghese, George Stafford, Fengxiang Zhao, Songxi Chen, and Yi Shang
12:00-12:20	SP06202: Visualizing Internet Measurements of Covid-19 Work- from-Home	Erica Stutz, Yuri Pradkin, Xiao Song, and John Heidemann
Coffee Break		
1	Session 3 (Security) SP06208: Investigating the Changes in Software Metrics after	Andy Zhou, Kazi Zakia Sultana, and
12:40-13:00	Vulnerability is Fixed	Bharath Samanthula
13:00-13:20	SP06203: Identifying ATT&CK Tactics in Android Malware Control Flow Graph Through Graph Representation Learning and Interpretability	Jeffrey Fairbanks, Andres Orbe, Christine Patterson, Janet Layne, Edoardo Serra, and Marion Scheepers
13:20-13:40	SP06212: Private Blockchain for Visitor Authentication and Access Control	Ka Ying Chan, Mason Lovett, and Yesem Kurt Peker
13:40-14:00	SP06204: A Scalable and Domain Adaptive Respiratory Symptoms Detection Framework using Earables	Nhan Nguyen, Avijoy Chakma, and Nirmalya Roy
14:00-14:20	SP06210: A Fine-grain Geospatial and Demographic Analysis of Breast Cancer Patterns in New York State	Fiona Murphy, Kayley Abell-Hart, and Fusheng Wang
Closing Remarks		