

# JEONGKEUN SHIN

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## RESEARCH INTERESTS

Digital Twin, Agent-based Modeling, Computer Simulation, Cybersecurity, Simulation Game

## EDUCATION

**Carnegie Mellon University, Carnegie Institute of Technology**  
Ph.D. in Electrical and Computer Engineering  
Advisor : Professor Kathleen Carley

Pittsburgh, PA  
Jan 2022 - Present

**Carnegie Mellon University, Carnegie Institute of Technology**  
M.S. in Electrical and Computer Engineering  
Advisor : Professor Marios Savvides

Pittsburgh, PA  
May 2021

**University of Michigan, College of Engineering**  
B.S.E. in Computer Science  
Advisor : Professor Walter Lasecki

Ann Arbor, MI  
Dec 2019

## RESEARCH EXPERIENCE

**Computational Analysis of Social and Organization Systems (CASOS) Lab**  
Ph.D Level Research Assistant (Advisor : Professor Kathleen Carley)

Jan 2022 - Present

**CyLab Biometrics Center**  
M.S Level Research Assistant (Advisor : Professor Marios Savvides)

Jan 2020 - Dec 2020

**Crowd and Machine (CroMa) Lab**  
Undergraduate Research Assistant (Advisor : Professor Walter Lasecki)

Jan 2018 - Dec 2018

**Illinois Geometry Lab**  
Undergraduate Research Scholar (Advisor : Professor Xin Zhang)

Jan 2017 - May 2017

## PUBLICATIONS

Conference Proceedings :

- [ C1 ] [Shin Jeongkeun](#), Geoffrey B. Dobson, Kathleen M. Carley, and L. Richard Carley. "OSIRIS: Organization Simulation in Response to Intrusion Strategies." In *International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation*, pp. 134-143. Springer, Cham, 2022. [ [PDF](#) ]

Poster :

- [ P1 ] [Shin Jeongkeun](#), Geoffrey B. Dobson, L. Richard Carley, and Kathleen M. Carley. "Leveraging OSIRIS to simulate real-world ransomware attacks on organization". 2022 Winter Simulation Conference ( *In Press* )