ANDREW MORIN

Research Assistant Professor

+1(575) 921-4369

andrew-morin@utulsa.edu

EDUCATION

Ph.D. Computer Science, University of Tulsa   2023
Advisor: Prof. Tyler Moore
Dissertation: "Security Shocks and Cryptocurrency Market Manipulations"

M.S. Computer Science, University of Tulsa   2021

B.S. Computer Science, University of New Mexico   2019

PROFESSIONAL EXPERIENCE

Research Assistant Professor — School of Cyber Studies, University of Tulsa   Fall 2023 - Present

Research Assistant — Security Economics Lab, University of Tulsa   Fall 2019 - Summer 2023

Multiple Externally Funded Projects:

- ERDC (Jan, 2023 - Present) — "Gas Pipeline Security Pilot Study"
- ERDC (Sep, 2021 - Dec, 2022) — "Adaptive OT Threat Analysis Technology"
- NSF (Aug, 2019 - Aug, 2021) — "Examining the Impact of Cybersecurity Shocks on Cryptocurrency Platforms"

TEACHING EXPERIENCE

Introduction to Cyber Security (CYB-3073)   Fall 2023
School of Cyber Studies, University of Tulsa

Analytics Programming (QM-7103)   Fall 2021, Fall 2022
School of Finance and Operations Management, University of Tulsa

Blockchain and Fintech Security (CYB-7863)   Spring 2022, Summer 2022, Summer 2023
School of Cyber Studies, University of Tulsa
With Tyler Moore and Eric Olson

RESEARCH INTERESTS

Security Economics, Cybersecurity Cost Modeling, Cryptocurrencies, Critical Infrastructure Security

REFEREED CONFERENCE PAPERS

Andrew Morin, Tyler Moore. How Cryptocurrency Exchange Interruptions Create Arbitrage Opportunities. In *2023 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW),* June 2023

Andrew Morin, Tyler Moore. Towards Cost-Balanced Intrusion Detection in OT Environments. In *IEEE Conference on Communications and Network Security Cyber Resilience Workshop,* October 2022

Andrew Morin, Tyler Moore, Eric Olson. Breaking the Stablecoin Buck: Measuring the Impact of Security Breach and Liquidation Shocks. In *21st Workshop on the Economics of Information Security (WEIS),* June 2022

Andrew Morin, Marie Vasek, Tyler Moore. Detecting Text Reuse in Cryptocurrency Whitepapers. In *IEEE International Conference on Blockchain and Cryptocurrency, ICBC 2021, Sydney, Australia, May 3-6, 2021, pages 1–5.* IEEE, May 2021

OTHER PAPERS

Alex Howe, Andrew Morin, Mauricio Papa, Tyler Moore. A cost-sensitive approach for managing intrusion alerts in OT environments. In submission, June 2023

JOURNAL REVIEWER

Management Science, International Review of Financial Analysis