

Academic Resume



Rayan Mosli

Assistant Professor, Information Technology Department

Rayan Mosli obtained his PhD in 2020 from the Rochester Institute of Technology in the State of New York. His research interests include malware detection using machine learning, adversarial machine learning, natural language processing, IoT, cybersecurity compliance, and blockchain. Dr. Mosli currently serves as the deputy director of the Center of Excellence in High Performance Computing in addition to his engagement in multiple other committees.

Contact Information.

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Highest Degree.

2020, , Cybersecurity, Rochester Institute of Technology, USA.

Academic and Professional Experiences.

1. 2016 - 2020

Adjunct Faculty at the Rochester Institute of Technology, , .

Research Interests.

Digital Forensics, Malware Analysis and Detection, Machine Learning, AI Security, Blockchain, Governance and Compliance, IoT Security.

Teaching Interests.

CPIT 252: Software Design Patterns, CPIT305: Advanced Programming, CPIT201: Introduction to Computing.

Certifications and Trainings.

Social, Scientific and Professional Affiliation.

Excellence Awards and Patents.

1. 2020, International, The RIT Outstanding Graduate Student Teaching Award

Publications.

1. Muralidharan C, Mohamed Sirajudeen Y, Shitharth S, Nawaf Alhebaishi, Rayan H. Mosli, Hassan Haes Alhelou, "Three?Phase Service Level Agreements And Trust Management Model For Monitoring And Managing The Services By Trusted Cloud Broker", Iet Communications, 2022.
DOI: [10.1049/cmu2.12484](https://doi.org/10.1049/cmu2.12484)
2. Rayan Mosli, Thomas J. Slota, Yin Pan, "Creating Adversarial Malware Examples Through Guided Metamorphic Changes", 2021 Ieee International Symposium On Technologies For Homeland Security (Hst), pp. 1-7, 2021.
DOI: [10.1109/HST53381.2021.9619825](https://doi.org/10.1109/HST53381.2021.9619825)
3. Rayan Mosli, Matthew Wright, Bo Yuan, Yin Pan, "They Might Not Be Giants Crafting Black-Box Adversarial Examples Using Particle Swarm Optimization", vol: 12309, pp. 439-459, 2020.
DOI: [10.1007/978-3-030-59013-0_22](https://doi.org/10.1007/978-3-030-59013-0_22)
4. Rayan Mosli, Bo Yuan, Yin Pan, "On The Viability Of Data Collection Using Google Rapid Response For Enterprise-Level Malware Research", Digital Investigation, vol: 26, pp. S139, 2018.
DOI: [10.1016/j.diin.2018.04.011](https://doi.org/10.1016/j.diin.2018.04.011)
5. Rayan Mosli, Rui Li, Bo Yuan, Yin Pan, "A Behavior-Based Approach For Malware Detection", vol: 511, pp. 187-201, 2017.
DOI: [10.1007/978-3-319-67208-3_11](https://doi.org/10.1007/978-3-319-67208-3_11)
6. Rayan Mosli, Rui Li, Bo Yuan, Yin Pan, "Automated Malware Detection Using Artifacts In Forensic Memory Images", 2016 Ieee Symposium On Technologies For Homeland Security (Hst), pp. 1-6, 2016.
DOI: [10.1109/THS.2016.7568881](https://doi.org/10.1109/THS.2016.7568881)