

# Yuede Ji

The University of Texas at Arlington  
Arlington, Texas 76019  
✉ [yuede.ji@uta.edu](mailto:yuede.ji@uta.edu)  
🌐 <https://yuede.github.io/>

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## EDUCATION

- 2015.9 - 2021.8 **Ph.D.** in Computer Engineering  
Department of Electrical & Computer Engineering  
*The George Washington University*  
Advisor: H. Howie Huang
- 2012.9 - 2015.6 **M.S.** in Computer Science  
School of Computer Science and Technology  
*Jilin University*  
Advisor: Qiang Li
- 2008.9 - 2012.6 **B.E.** in Software Engineering  
School of Software Engineering  
*Jilin University*

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## APPOINTMENTS

- 2024.8 - present **Assistant Professor**  
Department of Computer Science and Engineering  
*The University of Texas at Arlington*
- 2021.8 - 2024.8 **Assistant Professor**  
Department of Computer Science and Engineering  
*University of North Texas*
- 2023.6 - 2023.8 **Visiting Faculty**  
*Oak Ridge National Laboratory*  
Host: Dr. Seung-Hwan Lim
- 2020.6 - 2020.12 **Senior Intern**  
*Quokka*, McLean, VA  
Mentor: Dr. Mohamed Elsabagh

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## AWARDS

- 2025 Excellent Reviewer, ACM Conference on Knowledge Discovery and Data Mining (KDD)
- 2024 Best Editor Award, IEEE Open Journal of the Communications Society (OJCOMS)
- 2023 *Best Poster Award* at Smoky Mountains Computational Sciences Data Challenge (SMCDC)
- 2015 *Outstanding Master Thesis Award*, Jilin University
- 2014 *Best Paper Award* at International Conference on Network and Parallel Computing (NPC)

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## RESEARCH - PUBLICATIONS (The students advised by me are underlined.)

### Refereed Conference Proceedings

- [EuroSys '25] Pinhuan Wang, Chengying Huan, Zhibin Wang, Chen Tian, **Yuede Ji**, Hang Liu. BINGO: Radix-based Bias Factorization for Random Walk on Dynamic Graphs. In ACM EuroSys 2025.
- [EduPar '25] **Yuede Ji**. High-Performance Computing for Graph AI: A Top-Down Perspective. In the 15th NSF/TCPP Workshop on Parallel and Distributed Computing Education (EduPar '25).
- [PROMISE '25] Fadul Sikder, Yu Lei, **Yuede Ji**. Efficient Adaptation of Large Language Models for Smart Contract Vulnerability Detection. In the 21st International Conference on Predictive Models and Data Analytics in Software Engineering (PROMISE '25).
- [FCPC '25] Runbang Hu, Chaoqun Li, Xiaojiang Du, **Yuede Ji**. Adaptive Optimizations for Parallel Single-Source Shortest Paths. In FastCode Programming Challenge (FCPC '25), co-hosted with PPOPP 2025. **Ranked #4**.
- [FCPC '25] Chaoqun Li, Runbang Hu, Xiaojiang Du, **Yuede Ji**. Optimized Parallel Breadth-First Search with Adaptive Strategies. In FastCode Programming Challenge (FCPC '25), co-hosted with PPOPP 2025. **Ranked #7**.
- [IEEE Cloud Summit '25] Emmanuel Emakhue Oseghale, Yang Cheng, Shanchao Li, Donovan Zhang, Seung-Hwan Lim, Zechun Cao, Xing Gao, **Yuede Ji**. Container Image Security in HPC: A Comprehensive Large-Scale Evaluation. In IEEE Cloud Summit 2025.
- [USENIX Security '24] Haojie He, Xingwei Lin, Ziang Weng, Ruijie Zhao, Shuitao Gan, Libo Chen, **Yuede Ji**, Jiashui Wang, and Zhi Xue. Code is not Natural Language: Unlock the Power of Semantics-Oriented Graph Representation for Binary Code Similarity Detection. In the 33rd USENIX Security Symposium.
- [ACSAC '24] Dalton A. Brucker-Hahn, Wang Feng, Shanchao Li, Matthew Petillo, Alexandru G. Bardas, Drew Davidson, **Yuede Ji**. CloudCover: Enforcement of Multi-Hop Network Connections in Microservice Deployments. In the 40th Annual Computer Security Applications Conference (ACSAC).
- [EDBT '24] Chenxi Qiu, Sourabh Yadav, **Yuede Ji**, Anna Squicciarini, Ramanamurthy Dantu, Juanjuan Zhao, and Chengzhong Xu. Fine-Grained Geo-Obfuscation to Protect Workers' Location Privacy in Time-Sensitive Spatial Crowdsourcing. In the 27th International Conference on Extending Database Technology (EDBT).
- [ICC '24] Trent Reichenbach, Chenglong Fu, Xiaojiang Du, Jia Di, **Yuede Ji**. TrustEvent: Cross-Platform IoT Trigger Event Verification Using Edge Computing. In 2024 IEEE International Conference on Communications (ICC).
- [SC '23] Wang Feng, Shiyang Chen, Hang Liu, and **Yuede Ji**. PeeK: A Prune-Centric Approach for K Shortest Path Computation. In 2023 ACM/IEEE International Conference for High Performance Computing, Networking, Storage, and Analysis (SC), 2023.
- [SC '23] Shiyang Chen, Da Zheng, Caiwen Ding, Chengying Huan, **Yuede Ji**, and Hang Liu. Tango: Re-Thinking Quantization for Graph Neural Network Training on GPUs, In 2023 ACM/IEEE International Conference for High Performance Computing, Networking, Storage, and Analysis (SC), 2023.
- [ISSTA '23] Lei Cui, Jiancong Cui, **Yuede Ji**, Zhiyu Hao, Lun Li, Zhenquan Ding. API2vec: Learning Representations of API Sequences for Malware Detection. ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA), 2023

- [SMCDC '23] Yasmeen Haleem, Isabelle Wagenvoort, Qianjun Wei, Ting Xiao, Tong Shu, and **Yuede Ji**. Understanding Nationwide Power Outage and Restoration for Future Prediction. 7th Annual Smoky Mountains Computational Sciences Data Challenge (SMCDC), 2023  
**Best Poster Award**
- [SMCDC '23] Joseph Caldwell, Wang Feng, Mimi Byun, Mark Albert, Tong Shu, and **Yuede Ji**. Exploring Power and Thermal Dynamics in the Summit Supercomputer: A Data Visualization Study. 7th Annual Smoky Mountains Computational Sciences Data Challenge (SMCDC), 2023
- [HPDC '22] Qiang Fu, **Yuede Ji**, H. Howie Huang. TLPGNN: A Lightweight Two-Level Parallelism Paradigm for Graph Neural Network Computation on GPU. In 31st International Symposium on High-Performance Parallel and Distributed Computing (HPDC), 2022.
- [EuroS&P '22] Haoyu He, **Yuede Ji**, H. Howie Huang. Illuminati: Towards Explaining Graph Neural Networks for Cybersecurity Analysis. In IEEE European Symposium on Security and Privacy.
- [IEEE ICC '22] **Yuede Ji**, H. Howie Huang. NestedGNN: Detecting Malicious Network Activity with Nested Graph Neural Networks. In IEEE International Conference on Communications.
- [USENIX Security '21] **Yuede Ji**, Mohamed Elsabagh, Ryan Johnson, Angelos Stavrou. DEFInit: An Analysis of Exposed Android Init Routines. In the 30th USENIX Security Symposium.
- [AsiaCCS '21] **Yuede Ji**, Lei Cui, and H. Howie Huang. Differentiating Source-Binary Code Similarity with Graph Triplet-Loss Network. In the 16th ACM ASIA Conference on Computer and Communications Security (AsiaCCS), 2021.
- [ACNS '21] **Yuede Ji**, Lei Cui, and H. Howie Huang. Vestige: Identifying Binary Code Provenance for Vulnerability Detection. In the 19th International Conference on Applied Cryptography and Network Security (ACNS), 2021.
- [RAID '20] Benjamin Bowman, Craig Laprade, **Yuede Ji**, and H. Howie Huang. Detecting Lateral Movement in Enterprise Computer Networks with Unsupervised Graph AI. In 23rd International Symposium on Research in Attacks, Intrusions and Defenses (RAID), 2020.
- [HPDC '20] **Yuede Ji**, H. Howie Huang, Aquila: Adaptive Parallel Computation of Graph Connectivity Queries. In 29th International Symposium on High-Performance Parallel and Distributed Computing (HPDC), 2020.
- [HPCC '20] **Yuede Ji**, Hang Liu, and H. Howie Huang. SwarmGraph: Analyzing Large-Scale In-Memory Graphs on GPUs. In IEEE International Conference on High Performance Computing and Communications (HPCC), 2020
- [ICCC '19] **Yuede Ji**, Benjamin Bowman, and H. Howie Huang. Securing malware cognitive systems against adversarial attacks. In 2019 IEEE International Conference on Cognitive Computing (ICCC), 2019.
- [SC '18] **Yuede Ji**, Hang Liu, and H. Howie Huang, iSpan: Identifying Strongly Connected Components with Spanning Trees, In 2018 ACM/IEEE International Conference for High Performance Computing, Networking, Storage, and Analysis (SC), 2018.

- [NPC '14] Jian Cao, Qiang Li, **Yuede Ji**, Yukun He, and Dong Guo. Detection of forwarding-based malicious URLs in online social networks. In 11th IFIP International Conference on Network and Parallel Computing (NPC), 2014. Invited to journal publication, International Journal of Parallel Programming, 2016.  
**Best Paper Award**
- [ICPADS '14] **Yuede Ji**, Yukun He, Xinyang Jiang, and Qiang Li. Towards Social Botnet Behavior Detecting in the End Host. In 20th IEEE International Conference on Parallel and Distributed Systems (ICPADS), 2014
- [ISPEC '14] **Yuede Ji**, Yukun He, Dewei Zhu, Qiang Li, and Dong Guo. A Multiprocess Mechanism of Evading Behavior-Based Bot Detection Approaches. In 10th International Conference on Information Security Practice and Experience (ISPEC), 2014.
- [HPCC '13] **Yuede Ji**, Yukun He, Qiang Li, and Dong Guo. BotCatch: A Behavior and Signature Correlated Bot Detection Approach. In IEEE International Conference on High Performance Computing and Communications (HPCC), 2013.
- [NPC '13] Yukun He, Qiang Li, **Yuede Ji**, and Dong Guo. BotInfer: A Bot Inference Approach by Correlating Host and Network Information. In 10th IFIP International Conference on Network and Parallel Computing (NPC), 2013.

### Journal Articles

- [ACM TOPS '25] Yuxin Yang, Qiang Li, **Yuede Ji**, Binghui Wang. A Secret Sharing-Inspired Robust Distributed Backdoor Attack to Federated Learning. ACM Transactions on Privacy and Security (TOPS).
- [TSE '24] Lei Cui, Junan Yin, Jiancong Cui, **Yuede Ji**, Peng Liu, Zhiyu Hao, Xiaochun Yun. API2Vec++: Boosting API Sequence Representation for Malware Detection and Classification. IEEE Transactions on Software Engineering (TSE).
- [ACM TOPC '24] Qiang Fu, **Yuede Ji**, Thomas B. Rolinger, and H. Howie Huang. TLPGNN: A Lightweight Two-Level Parallelism Paradigm for Graph Neural Network Computation on Single and Multiple GPUs. ACM Transactions on Parallel Computing, 2024
- [ACM TOPC '22] **Yuede Ji**, Hang Liu, Yang Hu, and H. Howie Huang. iSpan: Identifying Strongly Connected Components with Spanning Trees. ACM Transactions on Parallel Computing, 2022
- [COMNET '21] Longkang Shang, Dong Guo, **Yuede Ji**, and Qiang Li. Discovering Unknown Advanced Persistent Threat Using Shared Features Mined by Neural Networks. Computer Networks, 2021
- [KBS '20] Qi Wang, **Yuede Ji**, Yongsheng Hao, and Jie Cao. GRL: Knowledge Graph Completion with GAN-based Reinforcement Learning. Knowledge-Based Systems, 2020.
- [SCN '19] Bo Feng, Qiang Li, **Yuede Ji**, Dong Guo, and Xiangyu Meng. Stopping the cyberattack in the early stage: assessing the security risks of social network users. Security and Communication Networks, 2019.
- [IJDSN '17] Yukun He, Qiang Li, Jian Cao, **Yuede Ji**, and Dong Guo. Understanding socialbot behavior on end hosts. International Journal of Distributed Sensor Networks, 2017.
- [COSE '16] **Yuede Ji**, Yukun He, Xinyang Jiang, Jian Cao, Qiang Li, Combating the evasion mechanisms of social bots, Computers & Security, Volume 58, Pages 230-249, 2016.

- [IJPP '16] Jian Cao, Qiang Li, **Yuede Ji**, Yukun He, and Dong Guo. Detection of forwarding-based malicious URLs in online social networks. In International Journal of Parallel Program. 44(1): 163-180 (2016).
- [SCN '15] **Yuede Ji**, Qiang Li, Yukun He, and Dong Guo. BotCatch: leveraging signature and behavior for bot detection. Security and Communication Networks, 8(6): 952-969, 2015.
- [IJDSN '15] **Yuede Ji**, Qiang Li, Yukun He, and Dong Guo. Overhead Analysis and Evaluation of Approaches to Host-based Bot Detection. International Journal of Distributed Sensor Networks, 2015.

### Book Chapter

- [CRC '19] **Yuede Ji**, and Qiang Li. Understanding and Detecting Social Botnet. Botnets: Architectures, Countermeasures, and Challenges, CRC Press, 2019.

### Poster

- [SC '22] Lillian Wang, Avik Malladi, and **Yuede Ji**. Efficient Sparse Deep Neural Network Computation on GPU, In ACM/IEEE International Conference for High Performance Computing, Networking, Storage, and Analysis (SC), 2022. **The first two authors are high school students.**

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## RESEARCH - GRANTS (Total: \$ ~2.37 million, My Share: \$ ~1.05 million)

- NSF Collaborative Research: SHF: Small: An Accelerated Computation Architecture for State Transition Representation and Applications
  - ◇ Role: Lead PI;
  - ◇ Total: \$546,000; My share: \$227,500.00 (42%);
  - ◇ Sponsor: National Science Foundation (#2508118);
  - ◇ 2024.8 - 2027.7.
- NSF CICI: UCSS: Secure Machine Learning Inference in IoT-driven Analytical Scientific Infrastructure
  - ◇ Role: Co-PI;
  - ◇ Total: \$600,000; My Share: \$188,125 (31%);
  - ◇ Sponsor: National Science Foundation (#2419843);
  - ◇ 2024.8 - 2027.7.
- NSF Collaborative Research: SHF: Small: LEGAS: Learning Evolving Graphs At Scale
  - ◇ Role: Lead PI;
  - ◇ Total: \$600,000; My share: \$308,739.00 (51%);
  - ◇ Sponsor: National Science Foundation (#2331301);
  - ◇ 2024.1 - 2026.12.
- NSF CICI: UCSS: Secure Containers in High-Performance Computing Infrastructure
  - ◇ Role: PI;
  - ◇ Total: \$600,000 (Subaward \$300,000 to Co-PI: Xing Gao);
  - ◇ Sponsor: National Science Foundation (#2516003);
  - ◇ 2023.8 - 2026.7.
- DOE Efficient Computation for Graph Neural Network Explanation Methods on GPUs
  - ◇ Role: Sole PI;

- ◇ Total: \$19,000;
  - ◇ Sponsor: Department of Energy (Oak Ridge National Laboratory);
  - ◇ 2023.6 - 2023.8.
- Google Google Cloud Education Credits for Analysis of Computer Algorithms
  - ◇ Role: Sole PI;
  - ◇ Total: \$5,350 (cloud credits);
  - ◇ Sponsor: Google;
  - ◇ 2022.8 - 2023.8.
- Google Scalable and Efficient Computation of Graph Neural Networks on GPUs
  - ◇ Role: Sole PI;
  - ◇ Total: \$5,000 (cloud credits);
  - ◇ Sponsor: Google;
  - ◇ 2021.8 - 2022.8.
- Google Google Cloud Education Credits for Analysis of Computer Algorithms
  - ◇ Role: Sole PI;
  - ◇ Total: \$2,900 (cloud credits);
  - ◇ Sponsor: Google;
  - ◇ 2021.8 - 2022.8.

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## RESEARCH - Invited Talks

- May. 2025 Container Security in High-Performance Computing Infrastructures  
*5th High-Performance Computing Security Workshop, Rockville, MD*
- Oct. 2023 Graph-Centric Security, Learning, and Computing  
*UNT CSE Seminar, Denton, TX*
- Aug. 2023 Graph-Centric Security, Learning, and Computing  
*Oak Ridge National Laboratory, Oak Ridge, TN*
- Jul. 2023 API2Vec: Learning Representations of API Sequences for Malware  
*ISSTA, Seattle, WA*
- Apr. 2023 Graph-Centric Security, Learning, and Computing  
*UNT CSE Seminar, Denton, TX*
- Apr. 2023 Basics of Software Security  
*Illinois Institute of Technology, Online Talk*
- Feb. 2023 Graph Algorithms  
*Digital Divas 2023, Denton, TX*
- Feb. 2023 Recent Advances in Security and Privacy  
*Texas CSTA Chapters Conference 2023, Denton, TX*
- Nov. 2022 Graph Neural Network Explanation for Cybersecurity Applications  
*Illinois Institute of Technology, Online Talk*
- Oct. 2022 Graph AI for Cybersecurity  
*University of North Texas Cybersecurity Symposium, Denton, TX*
- Oct. 2022 Code Vulnerability Detection with Graph Algorithm and Learning  
*University of Guelph, Online Talk*

- May 2022 NestedGNN: Detecting Malicious Network Activity with Nested Graph Neural Networks  
*IEEE ICC, Online Talk*
- Apr. 2022 Graph-Centric Machine Learning for Cybersecurity  
*Illinois Institute of Technology, Online Talk*
- Aug. 2021 DEFInit: An Analysis of Exposed Android Init Routines  
*USENIX Security, Online Talk*
- Jun. 2021 BugGraph: Differentiating Source-Binary Code Similarity with Graph Triplet-Loss Network  
*AsiaCCS, Online Talk*
- Apr. 2021 Graph Centric High-Performance Computing and Application in Cybersecurity  
*George Mason University, Fairfax, VA*
- Mar. 2021 Graph Centric High-Performance Computing and Application in Cybersecurity  
*New Mexico State University, Las Cruces, NM*
- Mar. 2021 Graph Centric High-Performance Computing and Application in Cybersecurity  
*University of New Haven, West Haven, CT*
- Feb. 2021 Graph Centric High-Performance Computing and Application in Cybersecurity  
*University of North Texas, Denton, TX*
- Jun. 2021 Vestige: Identifying Binary Code Provenance for Vulnerability Detection  
*ACNS, Online Talk*
- Dec. 2020 SwarmGraph: Analyzing Large-Scale In-Memory Graphs on GPUs  
*HPCC, Online Talk*
- Jun. 2020 Aquila: Adaptive Parallel Computation of Graph Connectivity Queries  
*HPDC, Online Talk*
- Nov. 2018 iSpan: Parallel Identification of Strongly Connected Components with Spanning Trees  
*SC, Dallas, TX*
- Dec. 2014 Towards Social Botnet Behavior Detecting in the End Host  
*ICPADS, Hsinchu, Taiwan*
- May 2014 A Multiprocess Mechanism of Evading Behavior-Based Bot Detection Approaches  
*ISPEC, Fuzhou, China*
- Nov. 2013 BotCatch: A Behavior and Signature Correlated Bot Detection Approach  
*HPCC, Zhangjiajie, China*

## TEACHING

- 2025 Spring CSE-4380: Information Security  
*University of Texas at Arlington (evaluation: 4.34/5)*
- 2024 Fall CSE-4380: Information Security  
*University of Texas at Arlington (evaluation: 4.29/5)*
- 2024 Spring CSCE-5565: Secure Software Development  
*University of North Texas (evaluation: 4.8/5)*
- 2023 Fall CSCE-5150: Analysis of Computer Algorithms  
*University of North Texas (evaluation: 4.8/5)*

- 2023 Spring CSCE-6933: Advanced Topics in CSE on Graph Theory and Graph Neural Network  
*University of North Texas* (evaluation: 4.7/5)
- 2022 Fall CSCE-5150: Analysis of Computer Algorithms  
*University of North Texas* (evaluation: 4.8/5)
- 2022 Spring CSCE-5565: Secure Software Systems  
*University of North Texas* (evaluation: 4.7/5)
- 2021 Fall CSCE-5150: Analysis of Computer Algorithms  
*University of North Texas* (evaluation: 4.8/5)

## STUDENT ADVISING & MENTORING

### PhD Students

- 2023 Joseph Caldwell (2023.6 - Present)  
Dissertation Topic: High-Performance Computing for Graph AI and Explanation
- 2024 Emmanuel Emakhue Oseghale (2022.1 - Present)  
Dissertation Topic: Security of Containers in HPC
- 2024 Mohammad Shahedur Rahman (2023.9 - Present)  
Dissertation Topic: Security of Large Language Models
- 2024 Fadul Sikder (2021.9 - Present, Co-advised with Prof. Jeff Lei)  
Dissertation Topic: Code Analysis
- 2025 Chaoqun Li (2025.1 - Present)  
Dissertation Topic: High-Performance Computing for Graph AI
- 2025 Runbang (Aiden) Hu (2025.9 - Present)  
Dissertation Topic: High-Performance Computing for Graph Transformers

### Master Students

- 2021 Siying Li (2021.7 - 2021.9, New York University): Graph Analytics for Code Analysis
- 2021 Boxiang Guo (2021.7 - 2022.12, San José State University): Graph Embedding Methods
- 2023 Joseph Caldwell (2023.6 - Present): Large Language Models for Code Analysis  
Travel grant (\$500) from the CSE Department of UNT  
Travel grant (\$700) from the College of Engineering of UNT.
- 2023 Yasmeen Haleem (2023.6 - Present): Large Language Models for Code Vulnerability Fixing  
**Best Poster Award** at SMCDC 2023  
Travel grant (\$500) from the CSE Department of UNT.

### Undergraduate Students

- 2022 Krishna Tiwadi (2022.9 - 2023.2): Graph-based Source Code Analysis
- 2022 Vedansh Tembhre (2022.9 - 2023.2): Graph-based Source Code Analysis
- 2023 Isabelle Wagenvoort (2023.6 - 2023.9): National Power Outage and Recovery Analysis  
**Best Poster Award** at SMCDC 2023  
NSF REU travel grant (\$1,200)
- 2023 John Gitahi (2023.8 - present): Graph-based Verification for Large Language Models



2023 Ana Tovar (2023.1 - 2023.5): Container Image Security Analysis

### **K-12 Students**

2022 Lillian Wang (2022.1 - 2023.5): Exploring TVM for Sparse Matrix Computation  
Went to MIT as an undergraduate.

2022 Avik Malladi (2022.1 - 2023.5): Exploring TVM for Sparse Matrix Computation  
Went to UT Austin as an undergraduate.

2022 Chotepong Victor Tangton (2022.9 - 2024.5): Post Binary Code Similarity Detection  
UNT Undergraduate Research Fellowship 2023 - 2024  
Went to UT Austin as an undergraduate.

2022 Donavon Zhang (2022.9 - 2024.5): Container Image Security in HPC  
UNT Undergraduate Research Fellowship 2023 - 2024  
Went to Purdue as an undergraduate.

2022 Sua Cho, (2022.9 - 2024.5): Graph Neural Network Analysis

2022 Neha Nayak (2022.9 - 2024.5): Container Image Security Analysis  
UNT Undergraduate Research Fellowship 2023 - 2024

### **Defense/Proposal Committee**

April 2025 PhD Qualifying Exam for Most Tahmina Rahman (UNT)

April 2025 PhD Qualifying Exam for Turja Kundu (UNT)

April 2025 PhD Proposal Defense for Chu Qiao (University of Delaware)

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### **Professional Service**

#### **Journal Editorship**

2023 - Present Associate Editor: IEEE Open Journal of the Communications Society (OJ-COMS)

2023 - Present Reproducibility Review Board member: IEEE Transactions on Parallel and Distributed Systems (TPDS)

#### **Conference Organizer**

2025 Program Committee Track Chair (Algorithm and Software Track): IEEE Cloud Summit 2025

2023 Publication Chair: Second Annual Workshop on Cyber Security in High Performance Computing (S-HPC'23)

#### **Technical Program Committee**

2025 IEEE International Parallel and Distributed Processing Symposium (IPDPS)

2025 IEEE International Conference on Distributed Computing Systems (ICDCS)

2025 International Conference on Parallel Processing (ICPP)

2025 ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)

2024 Learning on Graphs Conference (LoG)

2023 ACM High-Performance Parallel and Distributed Computing (HPDC)

2023 26th Information Security Conference (ISC)

2023 Learning on Graphs Conference (LoG)  
 2023 SC Doctoral Showcase Poster Track  
 2023 SC Workshop on Machine Learning with Graphs in High Performance Computing Environments (MLG-HPCE)  
 2023 IPDPS Workshop on High Performance Computational Biology (HiCOMB)  
 2022 Learning on Graphs Conference (LoG)  
 2021 ACM/IEEE SC Poster Judge  
 2019 IEEE Security and Privacy (Student PC)  
 2018 IEEE Security and Privacy (Student PC)  
 2018 EuroSys (Shadow PC)

### **Journal Reviewer**

2024 - 2025 ACM Transactions on Architecture and Code Optimization (TACO)  
 2025 IEEE Transactions on Information Forensics and Security (TIFS)  
 2024 - 2025 Journal of Parallel and Distributed Computing (JPDC)  
 2024 ACM Computing Surveys (CSUR)  
 2023 IEEE Transactions on Parallel and Distributed Systems (TPDS)  
 2022 ACM Transactions on Sensor Networks  
 2022 Knowledge-Based Systems  
 2022 International Journal of Information and Computer Security  
 2021 ACM Transactions on Parallel Computing  
 2021 IEEE Transactions on Industrial Informatics  
 2021 Cybersecurity  
 2018 Computer Networks  
 2018 Security and Communication Networks  
 2018 Wireless Communications and Mobile Computing  
 2017 Journal of Parallel and Distributed Computing  
 2017 Frontiers of Computer Science  
 2016 IEEE Transactions on Cloud Computing

### **Panelist**

May. 2025 National Science Foundation (NSF)  
 Mar. 2025 National Science Foundation (NSF)  
 Mar. 2025 National Science Foundation (NSF)  
 Feb. 2025 National Science Foundation (NSF)  
 July 2024 National Science Foundation (NSF)  
 July 2024 National Science Foundation (NSF)  
 June 2024 Department of Energy (DOE)  
 Jan. 2024 National Science Foundation (NSF)  
 Nov. 2023 National Science Foundation (NSF)

Jun. 2023 National Science Foundation (NSF)  
Feb. 2023 National Science Foundation (NSF)  
Feb. 2022 National Science Foundation (NSF)

### **Proposal Reviewer**

Oct. 2023 National Center For Transportation Cybersecurity and Resiliency (TraCR), Funded by a \$20-million grant from US Department of Transportation

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## **INTERNAL SERVICES**

2024 - Present PhD Student Admission Committee, *Department of CS&E, University of Texas at Arlington*  
2022 - 2024 PhD Student Admission Committee, *Department of CS&E, University of North Texas*  
2021 - 2022 Cybersecurity Program Committee, *Department of CS&E, University of North Texas*  
2021 - 2022 MS of Cybersecurity Admission Committee, *Department of CS&E, University of North Texas*