#### **IDENTIFYING INFORMATION:**

NAME: Yang, Lishan

ORCID iD: <u>https://orcid.org/0000-0002-0735-8617</u>

POSITION TITLE: Assistant Professor

<u>PRIMARY ORGANIZATION AND LOCATION</u>: George Mason University, Fairfax, Virginia, United States

## Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
William & Mary, Willliamsburg, Virginia, United States	PHD	06/2022	Computer Science
University of Science and Technology of China, Hefei, Not Applicable, N/A, China	BENG	06/2016	Computer Science

#### Appointments and Positions

2022 - present Assistant Professor, George Mason University, Fairfax, Virginia, United States

#### Products

Products Most Closely Related to the Proposed Project

- 1. Yang Lishan, Nie Bin, Jog Adwait, Smirni Evgenia. Sugar: Speeding up gpgpu application resilience estimation with input sizing. Proceedings of the ACM on Measurement and Analysis of Computing Systems. 2021; 5(1):1--29.
- 2. Yang Lishan, Nie Bin, Jog Adwait, Smirni Evgenia. Enabling software resilience in gpgpu applications via partial thread protection. 2021 IEEE/ACM 43rd International Conference on Software Engineering (ICSE); 2021; c2021.
- 3. Pinciroli Riccardo, Yang Lishan, Alter Jacob, Smirni Evgenia. Lifespan and Failures of SSDs and HDDs: Similarities, Differences, and Prediction Models. IEEE Transactions on Dependable and Secure Computing. 2021.
- 4. Nie Bin, Yang Lishan, Jog Adwait, Smirni Evgenia. Fault site pruning for practical reliability analysis of GPGPU applications. 2018 51st Annual IEEE/ACM International Symposium on Microarchitecture (MICRO); 2018; c2018.
- 5. Yang Lishan, Nie Bin, Jog Adwait, Smirni Evgenia. Practical resilience analysis of gpgpu applications in the presence of single-and multi-bit faults. IEEE Transactions on Computers. 2020; 70(1):30--44.

# Other Significant Products, Whether or Not Related to the Proposed Project

- 1. Schmedding Anna, Yang Lishan, EVGENIA SMIRNI. GeoSpread: an Epidemic Spread Modeling Tool for COVID-19 Using Mobility Data. Proceedings of the 2022 ACM Conference on Information Technology for Social Good; 2022; c2022.
- 2. Zhou X, Schmedding A, Ren H, Yang L, Schowitz P, Smirni E, Alemzadeh H. Strategic Safety-Critical Attacks Against an Advanced Driver Assistance System. 2022 52nd Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN). 2022 52nd Annual

SCV Biographical Sketch v.2023-1 (rev. 01/31/2023)

IEEE/IFIP International Conference on Dependable Systems and Networks (DSN); ; Baltimore, MD, USA. IEEE; c2022. Available from: https://ieeexplore.ieee.org/document/9833622/ DOI: 10.1109/DSN53405.2022.00020

- 3. Zhang Kai, He Bingsheng, Hu Jiayu, Wang Zeke, Hua Bei, Meng Jiayi, Yang Lishan. G-NET: Effective GPU Sharing in NFV Systems. 15th USENIX Symposium on Networked Systems Design and Implementation (NSDI 18); 2018; c2018.
- 4. Yang Lishan, Cherkasova Ludmila, Badgujar Rajeev, Blancaflor Jack, Konde Rahul, Mills Jason, Smirni Evgenia. Evaluating Scalability and Performance of a Security Management Solution in Large Virtualized Environments. Proceedings of the 2018 ACM/SPEC International Conference on Performance Engineering; 2018; c2018.
- 5. Yang Lishan, Schmedding Anna, Pinciroli Riccardo, Smirni Evgenia. Simulating COVID-19 containment measures using the South Korean patient data. Proceedings of the 18th Conference on Embedded Networked Sensor Systems; 2020; c2020.

# Synergistic Activities

- 1. Technical Program Committee Member of DSN'24, Sigmetrics'24, CLUSTER'24, ICPE'24, SC'23, DSN'23, IPDPS'23, HPDC'23, AIPerf'23
- Organizing Committee Member of Sigmetrics'24 (SRC Chair), DSN'24 (Poster Track Chair), ICPE'24 (Emerging Track Chair), HPDC'24 (Social Media Chair), Sigmetrics'23 (Publicity Chair), HPDC'23 (Social Media Chair) HotStorage'23 (Virtual Conference Chair), CAPWIC'22 and CAPWIC'21 (Session Chair & Poster judge)
- 3. Reviewer for ACM TOMPECS (Transactions on Modeling and Performance Evaluation of Computing Systems), IEEE TC (TRANSACTIONS ON COMPUTERS), IEEE TDSC (Transactions on Dependable and Secure Computing)
- 4. Mentor/Volunteer of SC23 Mentor & Protege Program, STEM FEAST 2022 Fall, HackViolet 2022, AnitaB.org Mentorship Program 2022, W&M GSA DEI Mentoring Program 2021-2022
- 5. Receipt of SPEC Kaivalya Dixit Distinguished Dissertation Award 2022 and W&M CS Graduate Park Award 2022

## **Certification:**

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Yang, Lishan in SciENcv on 2024-01-15 21:47:12