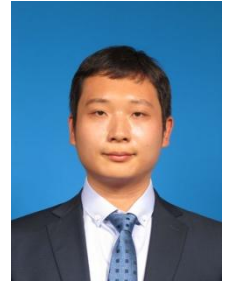# Resume

Yepeng Yao

Assistant Professor
Institute of Information Engineering, Chinese Academy of Sciences, China

Personal Details

Date of Birth: Sep. 1987   Citizenship: China

Education

09/2015 - 06/2019	Ph. D in Computer Software and Theory at Institute of Information Engineering, Chinese Academy of Sciences, Beijing, China
09/2010 - 06/2013	M.S. in Computer Application Technology at College of Information Engineering, Capital Normal University, Beijing, China. (Recommended)
09/2006 - 06/2010	B.S. in Intelligent Science and Technology at College of Information Engineering, Capital Normal University, Beijing, China. (Rank 1 in the class of 28 students)

Working Experience

07/2019 - now	Assistant Professor, Institute of Information Engineering, Chinese Academy of Sciences, China.
07/2013 - 08/2015	Software Engineer Level II at China R&D Center of International Game Technology PLC (IGT) *- Two years' experience of developing and testing large casino CRM systems in IGT's Electronic Game System department.* *- Initiated 'Mobile Host', the first mobile product in IGT's system product line.*
12/2014 - 12/2015	Founder of Beijing Smart Cloud and Information Security Co., Ltd. *- It was a start-up focusing on improving cloud security by resource monitoring originally, and then pivoted to provide requirement analysis and software customization development service to universities on their education informationization product, especially for PPSUC and BNU.*

Research Interests

My research interests include security problems in networks and large-scale networked systems. With behavioral analysis, machine learning and graph embedding methodologies, we can build more secure networked systems by: (i) analyzing the effects of new attack vectors such as Internet routing attacks; and (ii) enabling the network to detect and mitigate obfuscated attacks and insider attacks instead of relying on perimeter-based and signature-based protection.

Publications

[1] **Yepeng Yao**, Liya Su, Chen Zhang, Zhigang Lu, Baoxu Liu. Marrying Graph Kernel with Deep Neural Network: A Case Study for Network Anomaly Detection[C]. The International Conference on Computational Science (ICCS). 2019.

[2] **Yepeng Yao**, Liya Su, Zhigang Lu: DeepGFL: Deep Feature Learning via Graph for Attack Detection on Flow-based Network Traffic[C]. IEEE Military Communications Conference (MILCOM). IEEE, 2018: 579-584.

[3] Mingyi Chen, **Yepeng Yao**, et al. A Novel Approach for Identifying Lateral Movement Attacks Based

on Network Embedding[C]. International Symposium on Parallel Architectures, Algorithms and Networks (ISPA). 2018: 708-715.

[4] Liya Su, **Yepeng Yao**, et al.: Hierarchical Clustering Based Network Traffic Data Reduction for Improving Suspicious Flow Detection[C]. 2018 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications. 2018: 744-753.

[5] Xuren Wang, **Yepeng Yao**, et al. Research on Parallel LDA Topic Modeling Method [J]. Transactions of Beijing Institute of Technology, 2013, 33(6): 590-593. (In Chinese)

[6] **Yepeng Yao**, Xuren Wang. A distributed, cross-platform automation testing framework for GUI-driven applications[C]. Computer Science and Network Technology (ICCSNT), 2012 2nd International Conference On. IEEE, 2012: 723-726.

[7] Chen Y, **Yao Y**, Wang X F, et al. Bookworm Game: Automatic Discovery of LTE Vulnerabilities Through Documentation Analysis[C]. Security & Privacy, 2021.

Selected Awards

- In Feb. 2018, I received the "Advanced Individual" award of Institute of Information Engineering for the security support for important conference.
- In Apr. 2017, I received a thanks letter from one of the Ministries of China according to my contribution.
- "Model Student of Outstanding Capacity" for the 2017-2018 school year and 2016-2017 school year, UCAS

Contact

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