

Jiongchi Yu

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EDUCATION

- Ph.D. Singapore Management University, Singapore**
Computer Science 2022 - Present
Advisor: Prof. Xiaofei Xie
- B.E. Zhejiang University, Hangzhou, China**
Polymer Material and Engineering 2017 - 2022
Advisor: Prof. Zhikang Xu
Prof. Fan Zhang

EXPERIENCE

- Research Intern Netease Inc Fuxi AI Lab** 2022.01 - 2022.05
Research on testing online combat games and regression testing selection for video games

PUBLICATIONS

Journal Articles

- 2024 Ziming Zhao, Zhaoxuan Li, Zhihao Zhou, **Jiongchi Yu**, Zhuoxue Song, Xiaofei Xie, Fan Zhang, and Rui Zhang. "DDoS Family: A Novel Perspective for Massive Types of DDoS Attacks." In: *Computers & Security* (2023), p. 103663
- 2023 Ziming Zhao, Zhaoxuan Li, **Jiongchi Yu**, Fan Zhang, Xiaofei Xie, Haitao Xu, and Binbin Chen. "CMD: Co-analyzed IoT Malware Detection Beyond the Network Traffic Domain." In: *IEEE Transactions on Mobile Computing* (2023)
- 2022 Shangjin Yang, Zhiyuan Xu, Lingyun Zou, **Jiongchi Yu**, Jian Ji, and Zhikang Xu. "Porous Photo-Fenton Catalysts Rapidly Triggered by Levodopa-Based Mussel-Inspired Coatings for Enhanced Dye Degradation and Sterilization." In: *Langmuir* 38.31 (2022), pp. 9587–9596
- 2021 Renqiang Zhang, Xiangyu Jiang, **Jiongchi Yu**, Chong Zeng, Ming Gong, and Shun Xu. "Calculation and Optimization of Correlation Function in Distillation Method of Lattice Quantum Chromodynamics." In: *ACTA PHYSICA SINICA* 70.16 (2021)
- 2021 **Jiongchi Yu**, Mengqi Ma, Chengye Zhu, Dengfeng Hu, Jian Ji, and Zhikang Xu. "MoS₂ Membranes with Photothermal Conversion Property for Nanofiltration and Antibacterial Activity." In: *ACTA POLYMERICA SINICA* 52.5 (2021), pp. 504–512

Conference Proceedings

- 2024 Xi Ling, **Jiongchi Yu**, Ziming Zhao, Zhihao Zhou, Haitao Xu, Binbin Chen, and Fan Zhang. "DDoSMiner: An Automated Framework for DDoS Attack Characterization and Vulnerability Mining." In: *International Conference on Applied Cryptography and Network Security*. 2024
- 2023 **Jiongchi Yu**, Yuechen Wu, Xiaofei Xie, Wei Le, Lei Ma, Yingfeng Chen, Yujing Hu, and Fan Zhang. "GameRTS: A Regression Testing Framework for Video Games." In: *Proceedings of the 45th International Conference on Software Engineering (Technical Track)*. 2023

AWARDS AND HONORS

- 2023 SMU Presidential Doctoral Fellowship
- 2022 Participate Certificate (ranked 5th), International Student Cluster Competition (ISC22)
- 2021 First Prize Award, Asia Student Supercomputer Challenge (ASC20-21)
- 2020 Bronze Award, The 8th "Intel Cup" Parallel Application Challenge (PAC20)
- 2019 Second Prize Award, The 12th National College Information Security Contest
- 2019 Second Prize Award, Asia Student Supercomputer Challenge (ASC19)

TEACHING

- 2024 **Senior Teaching Assistant** at Course "CS704 Information Security", Singapore Management University
- 2020, 2021 **Teaching Assistant** at Course "Introduction of High Performance Computing", Zhejiang University
- 2018 **Teaching Assistant** at Course "The Art of Violin", Zhejiang University

PROFESSIONAL SERVICES

- Junior PC** MSR 2024
- AEC Member** CCS 2023, USENIX Security 2024, EuroSys 2024

OTHER INTERESTS

- Music Zhejiang Level-A Student Art Specialty (Violin), 10+ Years of Orchestra Experience (Violin, Percussion).
- Language Chinese, English, Japanese (N2), Russian
- Sports National Second Class Basketball&Table Tennis Referee, National Swimming Life Saving Volunteer

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¹Last Update: 10 Jan 2024