

YU LIANG

Ph.D. Candidate of Informatics
College of Information Sciences and Technology
Pennsylvania State University
Email: yuliang@psu.edu, steveleungsly@gmail.com

Advised by Dr. Hong Hu
University Park, PA 16802
Phone: +1 (814) 876-0812
Website: steveleungyl.github.io

Research Interests:

System and Software Security, Principles of Operating Systems, Principles of Compilers, DBMS

Education:

Ph.D. Candidate 8.20.2019 - Present
Pennsylvania State University
Major: Informatics
Advisor: Dr. Hong Hu

Master 8.20.2018 - 8.20.2019
Pennsylvania State University
Major: Engineering Science and Mechanics
Advisor: Dr. Jian Xu

Undergraduate 9.1.2014 - 7.1.2018
China University of Mining and Technology (Beijing)
Major: Civil Engineering

GPA: 3.66/4.0

Publications:

1. Detecting Logical Bugs of DBMS with Coverage-based Guidance, **Yu Liang**, Song Liu, and Hong Hu, **USENIX Security 2022**
2. Who Goes First? Detecting Go Concurrency Bugs via Message Reordering, Ziheng Liu, Shihao Xia, **Yu Liang**, Linhai Song, and Hong Hu, **ASPLOS 2022**
3. Let the DOCTOR Decide Whom to Test: Adaptive Testing Strategies to Tackle the COVID-19 Pandemic, **Yu Liang**, Amulya Yadav, **AAMAS 2021**
4. Optimal and Non-Discriminative Rehabilitation Program Design for Opioid Addiction Among Homeless Youth. Amulya Yadav, Roopali Singh, Nikolas Siapoutis, Anamika Barman-Adhikari, & **Yu Liang**, **IJCAI 20**
5. Tackling Sequential Attacks in Security Games, Thanh H. Nguyen, Amulya Yadav, Branislav Bosansky, **Yu Liang**, **GameSEC 19**