

# Jun ZENG

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Address: COM3-02-18, NUS, 119391, Singapore

## EDUCATION

<b>National University of Singapore (NUS)</b> , Singapore	08/2018-Present
Program: PH.D. in Computer Science	
Research Area: System Security	
Advisor: Zhenkai Liang GPA: 4.9/5.0	
<b>Huazhong University of Science and Technology (HUST)</b> , China	09/2014-06/2018
Program: Bachelor of Engineering in Computer Science and Technology	
Advisor: Deqing Zou GPA: 91/100 Grade Ranking: 4/241	

## RESEARCH INTEREST

System Auditing, Recommendation, Program Analysis, Forensic Investigation

## PUBLICATION

Enhancing SSD Performance with LDPC-aware Garbage Collection	NVMSA'17
WATSON: Abstracting Behaviors from Audit logs via Aggregation of Contextual Semantics	NDSS'21
SHADEWATCHER: Recommendation-guided Cyber Threat Analysis using System Audit Records	S&P'22
FLOWMATRIX: GPU-Assisted Information-Flow Analysis through Matrix-based Representation	USENIX Security'22
TELL: Log Level Suggestions via Modeling Multi-level Code Block Information	ISSTA'22
(Poster) Towards Automated and Large-scale Cyber Attack Reconstruction with APT Reports	NDSS'22
ATTACKG: Constructing Technique Knowledge Graph from Cyber Threat Intelligence Reports	ESORICS'22
PALANTIR: Optimizing Attack Provenance with Hardware-enhanced System Observability	CCS'22
Learning Graph-based Code Representations for Source-level Functional Similarity Detection	ICSE'23

## WORK EXPERIENCE

<b>Apple (intern)</b> , Shanghai, China	03/2018-07/2018
Department: Hardware Test Engineering (R&D)	
Project: Xavier Design	
<b>National University of Singapore (intern)</b> , Singapore	07/2017-08/2017
Department: NUS Research Institute	
Project: Cloud Computing	

## HONORS & AWARDS

Outstanding Student awarded by HUST (1/100)	12/2016
National Scholarship (1/50)	10/2017
Merit Student awarded by HUST (1/30)	10/2017
Pacemaker to Merit Student awarded by HUST (20/35000)	11/2017
Research Scholarship by NUS	09/2018
Dean's Graduate Research Excellence Award	01/2023
Student Travel Grant for S&P 20/21, USENIX Security 20, NDSS 21	

## TEACHING ASSISTANT

Web Security (CS5331)	NUS, School of Computing	08/2018-12/2018
Introduction to Information Security (CS2107)	NUS, School of Computing	01/2019-05/2019
Introduction to Information Security (CS2107)	NUS, School of Computing	08/2019-12/2019
Web Security (CS5331)	NUS, School of Computing	01/2020-05/2020
Introduction to Information Security (CS2107)	NUS, School of Computing	08/2020-12/2020
Web Security (CS5331)	NUS, School of Computing	01/2021-05/2021