

# Yuanhaur Chang (Oliver)

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<https://changoliver.github.io/>

## RESEARCH INTERESTS

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Cyber-physical Security, Medical Security, Usable Security & Privacy

## EDUCATION

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### Washington University in St. Louis

*Ph.D. in Computer Science*

Advisor: Dr. Ning Zhang

Missouri, USA

2021 - Present

### National Taiwan University

*Bachelor of Science in Computer Science and Information Engineering*

Taipei, Taiwan

2017 - 2021

## HONORS/AWARDS

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- WashU Dean's International Award 2021
- Taiwanese Ministry of Education (MOE) Fellowship 2021

## PUBLICATIONS

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### Conference

- Zhiyuan Yu, Yuanhaur Chang, Shixuan Zhai, Nicholas Deily, Tao Ju, XiaoFeng Wang, Uday Jammalamadaka, Ning Zhang  
XCheck: Integrity Verification for 3D Printed Patient-Specific Devices via Computing Tomography  
*USENIX Security Symposium, 2023*  
*Distinguished Artifact Award*
- Zhiyuan Yu, Yuanhaur Chang, Ning Zhang, Chaowei Xiao  
SMACK: Semantically Meaningful Adversarial Audio Attack  
*USENIX Security Symposium, 2023*
- Zhiyuan Yu, Zhuohang Li, Yuanhaur Chang, Skylar Fong, Jian Liu, Ning Zhang  
HeatDeCam: Detecting Hidden Spy Cameras via Thermal Emissions  
*ACM Conference on Computer and Communications Security (CCS), 2022*

### Workshop Papers

- Ao Li, Sinyin Chang, Guirui Li, Yuanhaur Chang, Nathan Fisher, Thidapat (Tam) Chantem  
Software and Behavior Diversification for Swarm Robotics Systems  
*ACM Workshop on Moving Target Defense (MTD), 2023*

### CVE

- CVE-2021-44961
- CVE-2021-44962
- CVE-2023-40889
- CVE-2023-40890

## TEACHING

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### National Taiwan University

- TA for EE5184 Machine Learning

Spring 2020

## **SERVICE AND LEADERSHIP**

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### **Conference Organization**

- Web Chair, 10th ACM Workshop on Moving Target Defense (MTD'23)

### **Technical Program Committee**

- USENIX Security Symposium: 2024

### **Student Group**

- Vice President, Taiwanese Graduate Student Association (TGSA) 2022 - 2023
- Treasurer, Taiwanese Graduate Student Association (TGSA) 2023 - 2024

### **Volunteering**

- Student Volunteer, Office of International Affair 2018 - 2019
- Student Volunteer, College of EECS 2018 - 2019