

Li Yu

PERSONAL DATA

PLACE AND DATE OF BIRTH: CHINA | 11 September 1994
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OTHERS: [Website](#), [Google scholar](#)

EDUCATION

- 2017-Present PhD Study in COMPUTER SCIENCE AND ENGINEERING,
The Chinese University of Hong Kong (CUHK)
Research Interest: AI and Hardware Security, AI testing
- 2016-2017 Master Study in FACULTY OF ENGINEERING TECHNOLOGY,
Katholieke Universiteit Leuven (KU Leuven)
Major: Intelligent Electronics
Graduated with "Cum Laude"
- 2014-2016 Undergraduate Study in FACULTY OF ENGINEERING TECHNOLOGY,
Katholieke Universiteit Leuven (KU Leuven)
Major: Electronic Engineering
Rank: 1st in major Electronic Engineering
Graduated with "Cum Laude"
- 2012-2014 Undergraduate Study in SCHOOL OF ELECTRONIC ENGINEERING,
University of Electronic Science and Technology of China (UESTC)
Major: Electronic Engineering
GPA: 3.86/4.0 Rank: Top 3%
Graduated with honor

EXPERIENCE

- 2019-PRESENT **Research Intern at Alibaba Group (Shenzhen, China)**
To improve the memory failure prediction for large scale data-centers.
- JULY 2016- MAY 2017 **Master Thesis at IMEC (Leuven, Belgium)**
Research on IEEE Std. P1838's flexible parallel port and its specification.

PUBLICATIONS

- 2020 **DeepDyve: Dynamic Verification for Deep Neural Networks**
Yu Li*, Min Li*, Bo Luo, Ye Tian, and Qiang Xu (*Equal contribution)
2020 ACM SIGSAC Conference on Computer and Communications Security (CCS'20)
- 2020 **On Configurable Defense against Adversarial Example Attacks**
Bo Luo, Min Li, Yu Li, and Qiang Xu
2020 on Great Lakes Symposium on VLSI (GLSVLSI'20)
- 2019 **D2NN: a fine-grained dual modular redundancy framework for deep neural networks**
Yu Li, Yannan Liu, Min Li, Ye Tian, Bo Luo, and Qiang Xu
2019 Annual Computer Security Applications Conference (ACSAC'19)
- 2019 **On functional test generation for deep neural network IPs**
Bo Luo, Yu Li, Lingxiao Wei, and Qiang Xu
2019 Design, Automation & Test in Europe Conference & Exhibition (DATE'19)

- 2018 **IEEE Std P1838's flexible parallel port and its specification with Google's protocol buffers**
Yu Li, M Shao, H Jiao, A Cron, S Bhatia, EJ Marinissen
2018 IEEE 23rd European Test Symposium (ETS'18)
- 2018 **I Know What You See: Power Side-Channel Attack on Convolutional Neural Network Accelerators**
Lingxiao Wei, Yannan Liu, Bo Luo, Yu Li, Qiang Xu
2018 Annual Computer Security Applications Conference (ACSAC'18)

SCHOLARSHIPS AND CERTIFICATES

Nov. 2019	Student Travel Grant offered by ACSAC'19
Nov.2018	Student Travel Grant offered by ACSAC'18
JUN. 2017-present	Postgraduate Scholarship (Issued By CUHK)
MAY. 2015	Excellent execution of the new product launch-management game 2014-2015 (Issued By KU Leuven)
DEC. 2013-2014	National Endeavor Fellowship (Issued by Chinese Ministry of Education)
SEP. 2014-2017	Hongzhi Scholarship (Issued by KU Leuven)
MAR. 2014	Successfully applied "National Undergraduate Training Programs for Innovation and Entrepreneurship" (Issued by Chinese Ministry of Education)

TEACHING ASSISTANT

CSCI3250 Computers and Society (with Prof. CHAU Chuck-jee)
CENG2400 Embedded System Design (with Prof. Qiang Xu)
ENGG1100 Introduction to Engineering Design (with Prof. Anthony SUM)

LANGUAGES

CHINESE: Mother-tongue
ENGLISH: Fluent