

# Tzu-Bin Yan

Email: [tbyan2@illinois.edu](mailto:tbyan2@illinois.edu) | Website: <https://tzubinyan.web.illinois.edu>

## EDUCATION

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*08/2019 – Present*

### **University of Illinois at Urbana-Champaign | Urbana, IL, USA**

- Ph.D. Candidate: Department of Computer Science
- Research area: Security and Privacy
- Advisor: Kirill Levchenko
- GPA (on a scale of 0 – 4.0): Average – 3.97
- Relevant coursework: Communication Networks; Applied Cryptography; Advanced Computer Security; ML for Sys, Netwrks & Security; Sec. & Privacy for Home IOT; Program Verification; Embedded System Verification

*09/2015 – 06/2019*

### **National Taiwan University | Taipei, Taiwan**

- B.S.: Department of Computer Science & Information Engineering
- GPA (on a scale of 0 – 4.3): Average – 4.22 | Major – 4.24
- Relevant coursework: Computer Networks; Advanced Computer Networks; Introduction to Wireless and Mobile Networking; Network Administration and System Administration; Cryptography and Network Security
- Overall academic performance ranking 1<sup>st</sup> among 169 students

## PAST EXPERIENCE

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*08/2019 – Present*

### **Research Assistant, University of Illinois at Urbana-Champaign, Urbana, IL, USA**

- Participating in the research project of “PacketLab: A Universal Measurement Endpoint Interface”, funded by NSF grant #1764055
- Works including protocol design and documentation, reference program development, and collaboration with other students on project functionality extensions

*09/2017 – 06/2019*

### **Research Assistant, National Taiwan University, Taipei, Taiwan**

- Participated in the research project of “OmniEyes – Next Generation Mobile Video Platform (OmniEyes - 次世代行動影像平台)”, funded by Ministry of Science and Technology, Taiwan
- Works included literature review, platform application development (Android and Linux), establishment of video relay system and offline application development

*09/2017 – 06/2019*

### **Network Administrator, National Taiwan University, Taipei, Taiwan**

- Leader of the firewall division
- Works included maintenance of the firewall, VPN and NAS server of the department, provision of network services to faculties and students, as well as training new recruits

## WORKSHOP/CONFERENCE TALKS

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- **PacketLab: A Universal Measurement Endpoint Interface – Now with Demo!**

## **AWARDS & SCHOLARSHIPS**

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- **Honorary member of the Phi Tau Phi Scholastic Honor Society of R.O.C.**  
(top 1% of students in the college of electrical engineering and computer science, NTU)  
*From the Phi Tau Phi Scholastic Honor Society* *in 2019 spring*
- **Presidential Award** (top 5% of students in class)  
*From National Taiwan University* *in 2015 fall, 2016 spring, 2017 spring, 2019 spring*
- **Government Scholarship for Overseas Study**  
(in support of future doctoral study with about 50,000 USD per year for three years; a total of 4 recipients nationwide in the area of Electrical Engineering & Computer Science)  
*From Ministry of Education, Taiwan* *in 2018 fall*
- **Scholarship from the Memorial Scholarship Foundation to Mr. Lin Hsiung Chen**  
(with a total of 50 recipients out of 2808 competitors nationwide this year based on college academic performance and the convention of at most one recipient per department)  
*From the Memorial Scholarship Foundation to Mr. Lin Hsiung Chen* *in 2018 fall*
- **Pan Wen Yuan Culture and Education Foundation Scholarship**  
(with a total of 3 undergraduates from NTU based on college academic performance)  
*From Pan Wen Yuan Culture and Education Foundation* *in 2017 fall*

## **ADDITIONAL SKILLS**

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- Languages: Mandarin Chinese (native speaker); English (fluent)
- Software and Programming Competencies: C/C++; Python; Go; SQL; MATLAB; UNIX-like operating systems; POSIX shell scripting; Git; Windows operating systems; General use of Microsoft Office Suite
- Data Collection and Analysis: Python; MATLAB; Microsoft Excel