

# Weikeng Chen

## FINGER

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NOW AS: A second-year Ph.D. Student at UC Berkeley  
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GITHUB: <https://github.com/weikengchen/>

## RESEARCH INTEREST

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Systems security leveraging cryptography.

## EDUCATION

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2017- As a doctoral Student in SECURITY at UC Berkeley.  
My advisor is Prof. Raluca Ada Popa.

2013-2017 Received an honor B.Eng in INFORMATION SECURITY, USTC, China,  
with *summa cum laude*, Guomoruo Scholarship (in total 33 at USTC)  
and National Information Security Scholarship (in total 70 in China).  
My advisor was Prof. Kaiping Xue.  
My GPA is 3.99/4.30 (Rank 1 among  $\approx 287$  students).

## RESEARCH INTERNSHIP

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FEB-MAY 2017	Visiting Student Researcher at UC Berkeley. Constructed constant-round oblivious binary search using garbled circuits; designed a four-server ORAM with 2x communication overhead.
JUNE-SEPT 2016	Visiting Research Assistant at Dalhousie University, Canada. Built a normal profiling system for botnet detection on CTU-13 dataset using unsupervised learning.

## SELECTED SCHOLARSHIPS, GRANTS, AND AWARDS

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GRADUATE	EECS Fellowship Award (2017)
UNDERGRADUATE	Guomoruo Scholarship, in total 33 in USTC (2016) National Cybersecurity Scholarship for Undergrads, in total 70 in China (2016) USTC Undergraduate International Exchange Funding, in total 10 in USTC (2016) Mitacs & CSC Research Intern Grant (2016) National Scholarship (2014) First Award in HPC Advisory Council's RDMA Programming Competition (2014)

## UNDERGRADUATE PUBLICATION

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[TIFS'18] Combining Data Owner-side and Cloud-side Access Control for Encrypted Cloud Storage.  
Kaiping Xue, *Weikeng Chen*, Wei Li, Jianan Hong, Peilin Hong.

[TSC'17] TAFC: Time and Attribute Factors Combined Access Control for Time-Sensitive Data in Public Cloud.

Jianan Hong, Kaiping Xue, Yingjie Xue, *Weikeng Chen*, David S. L. Wei, Nenghai Yu, Peilin Hong.

[IM AnNet'17] Exploring a Service-Based Normal Behaviour Profiling System for Botnet Detection.  
*Weikeng Chen*, Xiao Luo, A. Nur Zincir-Heywood.

[ICC'17] A Privacy-Preserving and Real-Time Traceable Power Request Scheme for Smart Grid.  
Qingyou Yang, Jianan Hong, Kaiping Xue, *Weikeng Chen*, Xiang Zhang, Hao Yue.