

# 杨 荣海

## 个人简历

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## 教育背景

2013 – 2017 博士, 香港中文大学信息工程专业.

2009 – 2013 学士, 中国科学技术大学信息安全专业.

## 研究方向

协议 (应用) 安全验证

网络安全

漏洞挖掘

## 工作经历

2018–至今 深信服科技, 创新研究院, 博士团队.

## 科研论文

Mar 2019 Xianbo Wang, Wing Cheong Lau, Shangcheng Shi, **Ronghai Yang**, “Make Redirection Evil Again – URL Parser Issues in OAuth,” to appear in Black Hat Asia, Mar 2019.

Aug 2018 **Ronghai Yang**, Wing Cheong Lau, Jiongyi Chen, Kehuan Zhang, “*Vetting Single-Sign-On SDK Implementations via Symbolic Reasoning*,” in the 27th USENIX Security Symposium, 2018. (This work received the 2nd Runner-up Internet Defense Prize 2018 from USENIX and Facebook).

Feb 2018 Jiongyi Chen, Wenrui Diao, Qingchuan Zhao, Chaoshun Zuo, Zhiqiang Lin, XiaoFeng Wang, Wing Cheong Lau, Menghan Sun, **Ronghai Yang** and Kehuan Zhang, *IoT-Fuzzer: Discovering Vulnerabilities in IoT Devices With a Mobile App Based Fuzzing Framework*. to appear in the Network and Distributed System Security Symposium (NDSS).

Jul 2017 **Ronghai Yang**, Wing Cheong Lau and Shangcheng Shi, *Breaking and Fixing Mobile App Authentication with OAuth2.0*, in 第 15 届应用密码和网络安全会议 (ACNS 2017).

- Nov 2016 **Ronghai Yang**, Wing Cheong Lau and Tianyu Liu, *Signing into One Billion Mobile App Accounts Effortlessly with OAuth2.0*, 黑帽子大会 ( Black Hat Europe 2016 ) .
- May 2016 **Ronghai Yang**, Guanchen Li, Wing Cheong Lau, Kehuan Zhang and Pili Hu, *Model-based Security Testing: an Empirical Study on OAuth 2.0 Implementations*, 第 11 届亚洲计算机与通信安全会议 ( AsiaCCS 2016 ) .
- Nov 2015 **Ronghai Yang\***, Huanle Xu\*, Zhibo Yang and Wing Cheong Lau, *Solving Large Graph Problems in MapReduce-Like Frameworks via Optimized Parameter Configuration*, 第十五届国际并行算法和结构会议 (ICA3PP 2015).
- Oct 2014 **Ronghai Yang\***, Pili Hu\*, Yue Li and Wing Cheong Lau, *Application Impersonation: Problems of OAuth and API Design in Online Social Networks*, 第二届在线社交网络会议 (ACM COSN 2014).
- Oct 2014 **Ronghai Yang**, Pili Hu and Wing Cheong Lau, *Model-based Testing for Security Flaw Detection in OAuth2.0 (Poster)*, 第二届在线社交网络会议 (ACM COSN 2014).

\* These authors contributed equally to this work.

## Selected Prizes

- 2018 互联网防御奖项 ( 2nd Runner-up Internet Defense Prize 2018 from USENIX and Facebook ) 首个亚洲获奖团队
- 2018 深圳市海外高层次人才
- 2017 ACNS travel grant
- 2012 国家奖学金

## 媒体报道

我们发现谷歌、Facebook、新浪等多个顶级厂商的多个高危漏洞，影响了数十亿人口的上网账号安全。这些工作发表在 USENIX Security, Black Hat, NDSS 等国际顶级安全会议。鉴于这些漏洞的严重影响，我们的研究被媒体广泛报导，如福布斯、International Business Times, TechTarget, 凤凰卫视, 及专业的安全媒体 HackerNews, Freebuf 等。