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   2nd Runner-up Internet Defense Prize 2018 from USENIX and Facebook, 为亚洲研究团队首次获此奖项

2018   深圳高层次人才

2017   ACNS travel grant

2013   香港中文大学博士生奖学金

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。