

# Ronny Chevalier

Ph.D. student in computer security

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## Education

CentraleSupélec, Rennes, France Ph.D. student in Computer Science	2016 – Present
École Normale Supérieure de Rennes and University of Rennes, France <ul style="list-style-type: none"><li>▪ Master's degree in Information and Computing Infrastructure Security</li><li>▪ Bachelor's degree in Computer Science</li></ul>	2013 – 2016
University of Caen, France Associate's degree in Computer Science	2011 – 2013

## Recent publications

Ronny Chevalier, Stefano Cristali, Christophe Hauser, Yan Shoshitaishvili, Ruoyu Wang, Christopher Kruegel, Giovanni Vigna, Danilo Bruschi, and Andrea Lanzi (Mar. 2019). <b>BootKeeper: Validating Software Integrity Properties on Boot Firmware Images</b> . In: <i>Proceedings of the 9th ACM Conference on Data and Application Security and Privacy</i> . ACM	CODASPY '19 <i>To appear</i>
Ronny Chevalier, Maugan Villatel, David Plaquin, and Guillaume Hiet (Dec. 2017). <b>Co-processor-based Behavior Monitoring: Application to the Detection of Attacks Against the System Management Mode</b> . In: <i>Proceedings of the 33rd Annual Computer Security Applications Conference</i> . ACM, pp. 399–411. DOI: 10.1145/3134600.3134622	ACSAC '17

## Research experience

HP Labs, Bristol, United Kingdom Security researcher	2016 – Present
CentraleSupélec, CIDRE team, Rennes, France Hardware-based low-level intrusion detection	2016 – 6 months <i>Internship</i>
University of Milan, Computer and Network Security Lab, Italy Dynamic binary analysis of boot firmware images	2015 – 3 months <i>Internship</i>
Inria, MADYNES team, Nancy, France Internet-wide scanning of SCADA systems	2014 – 3 months <i>Internship</i>

## Engineering experience

Aldebaran Robotics, Paris, France Stability and security of a humanoid robot	2013 – 5 months <i>Internship</i>
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## Teaching experience

École Normale Supérieure de Rennes, France Teaching assistant for undergraduate courses <ul style="list-style-type: none"><li>▪ Introduction to computer security</li><li>▪ Operating system &amp; computer networks</li></ul>	2016 – Present
Chateaubriand high school, Rennes, France Teaching assistant for an undergraduate Python course Introductory course on Python programming and algorithms for 45 students	2014 – 2016