

Charlie Miller (security researcher)

Charles Alfred Miller is an American computer security researcher with Cruise Automation^{[1][2][3]} Prior to his current employment, he spent five years working for the National Security Agency and has worked for Uber.^{[4][5]} Miller holds a Bachelors in Mathematics with a minor in Philosophy from Northeast Missouri State (now Truman State University), and a Ph.D. in Mathematics from the University of Notre Dame in 2000. He currently lives in Wildwood, Missouri^[1]

Miller has publicly demonstrated many security exploits of Apple products. In 2008, he won a \$10,000 cash prize at the hacker conference Pwn2Own in Vancouver, British Columbia, Canada for being the first to find a critical bug in the MacBook Air. The following year, he won \$5,000 for cracking Safari. In 2009, he and Collin Mulliner demonstrated an SMS processing vulnerability that allowed for complete compromise of the Apple iPhone and denial-of-service attacks on other phones. In 2011, he found a security hole in the iPhone and iPad, whereby an application can contact a remote computer to download new unapproved software that can execute any command that could steal personal data or otherwise using iOS applications functions for malicious purposes. As a proof of concept, Miller created an application called *Instastock* that was approved by Apple's App Store. He then informed Apple about the security hole, who then promptly expelled him from the App Store.^[6]

Miller participated in research on discovering security vulnerabilities in NFC (Near Field Communication).^[7]

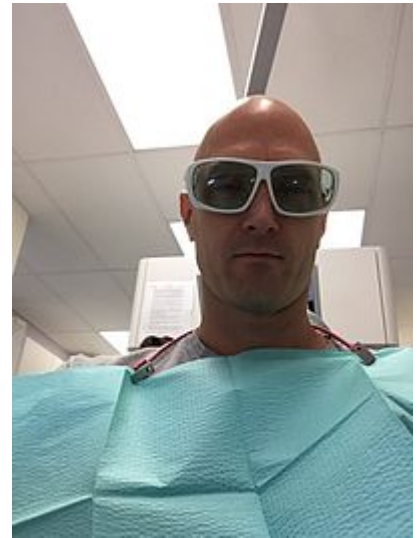
He has also published three books,^[8] one entitled *The Mac Hacker's Handbook*.^[9]

Miller, along with Chris Valasek, is widely known for remotely hacking a 2014 Jeep Cherokee and controlling the braking, steering, and acceleration of the vehicle.^[10]

References

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Charles Miller



Charlie Miller

Nationality	United States
Alma mater	Northeast Missouri State, University of Notre Dame
Known for	Pwn2Own contest winner
Scientific career	
Fields	Computer Science
Thesis	<i>New Types of Soliton Solutions in Nonlinear Evolution Equations</i> (2000)
Doctoral advisor	Mark S. Alber

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