

A 3D rendered white figure is shown from the back, holding a smartphone. The phone's screen is black and displays the text 'Owning Your Phone At Every Layer' in white. At the bottom of the screen, there is a dock with five icons: a home button, an app drawer icon, a multitasking icon, a back arrow, and a power button.

Owning Your
Phone
At Every Layer

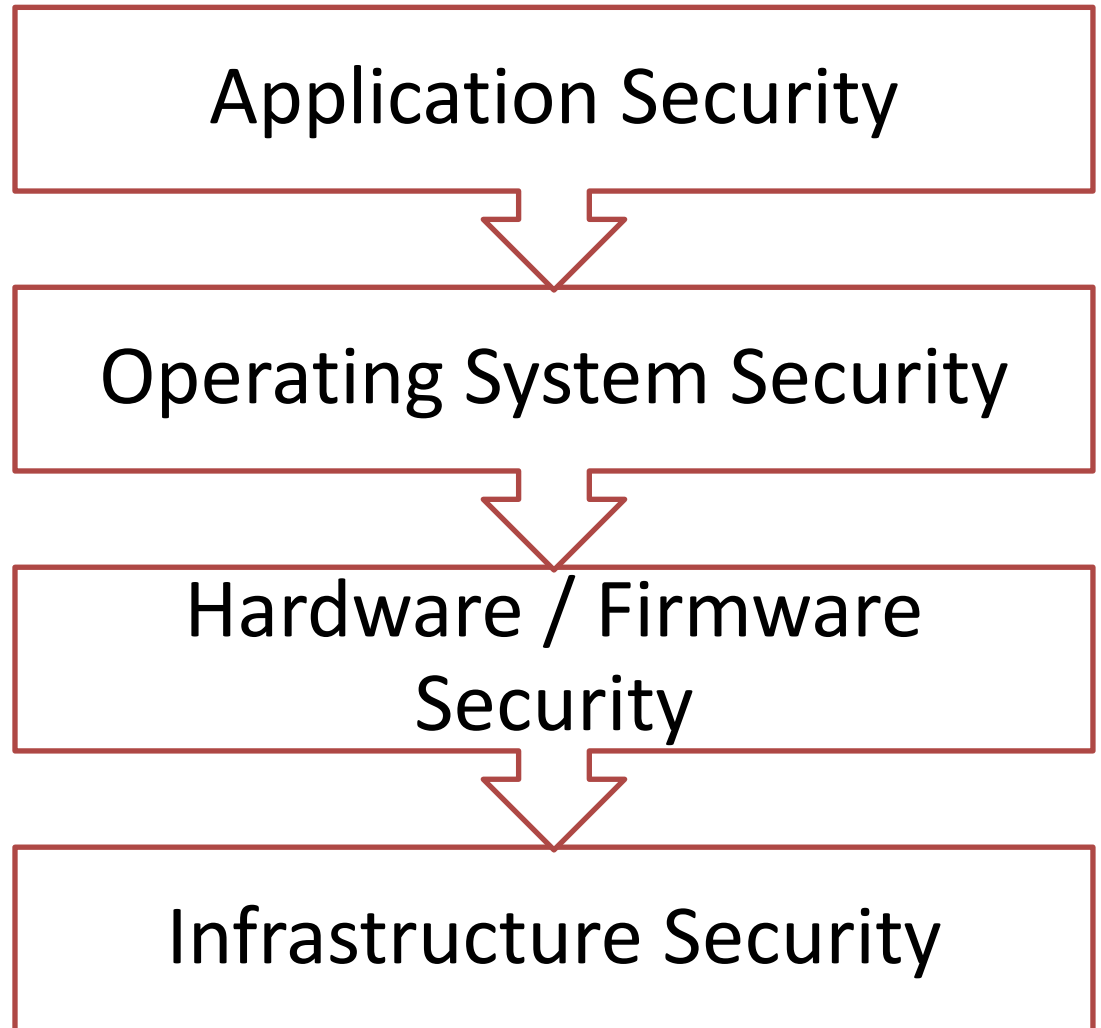
Moderator

Tyler Shields

- Security Researcher
- Veracode Inc.
- Formerly penetration tester with Symantec and @Stake
- Presented at HOPE, Shmoocon, Source, and other industry conferences
- Best known for creation of mobile spyware suite for Blackberry devices



Mobile Security Stack



Infrastructure Layer

Nick DePetrillo

- Security Researcher
- Crucial Security Inc, Harris Corp
- Formerly Security Consultant with Industrial Defender and engineer with Aruba Networks
- Best known for recent research on issues in the global telephone network

Don Bailey

- Security Consultant
- iSec Partners
- Has presented on topics including stealthy rootkits, 0-day exploit technology, DECT, GSM and embedded security
- Best known for recent work on vulnerabilities in embedded architectures and issues with the global telephone network



Hardware / Firmware Layer

Ralf-Phillipp Weinmann

- PostDoc - Laboratory of Algorithms, Cryptology and Security, University of Luxembourg
- Ph.D. from the Technical University of Darmstadt
- Best known for Baseband Apocalypse presentation BHDC/CCC
- Over-the-air exploitations of memory corruption in GSM/3GPP stacks



Operating System Layer

Charlie Miller

- Principal Research Consultant
- Accuvant Labs
- Wrote the first public exploit for both iPhone and Android platforms
- Won CanSecWest Pwn2Own for four consecutive years
- Author of two infosecurity books
- PhD from University of Notre Dame

Dino Dai Zovi

- Independent Researcher
- Regular speaker at industry, academic, and hacker security conferences world wide
- Significant research includes rootkit technologies, wireless security, exploit development, and mobile!
- Has spoken at BlueHat, CanSecWest, USENIX, Blackhat, and Defcon
- Author of “Mac Hackers Handbook” and “The Art of Software Security Testing”



Application Layer

Chris Wysopal

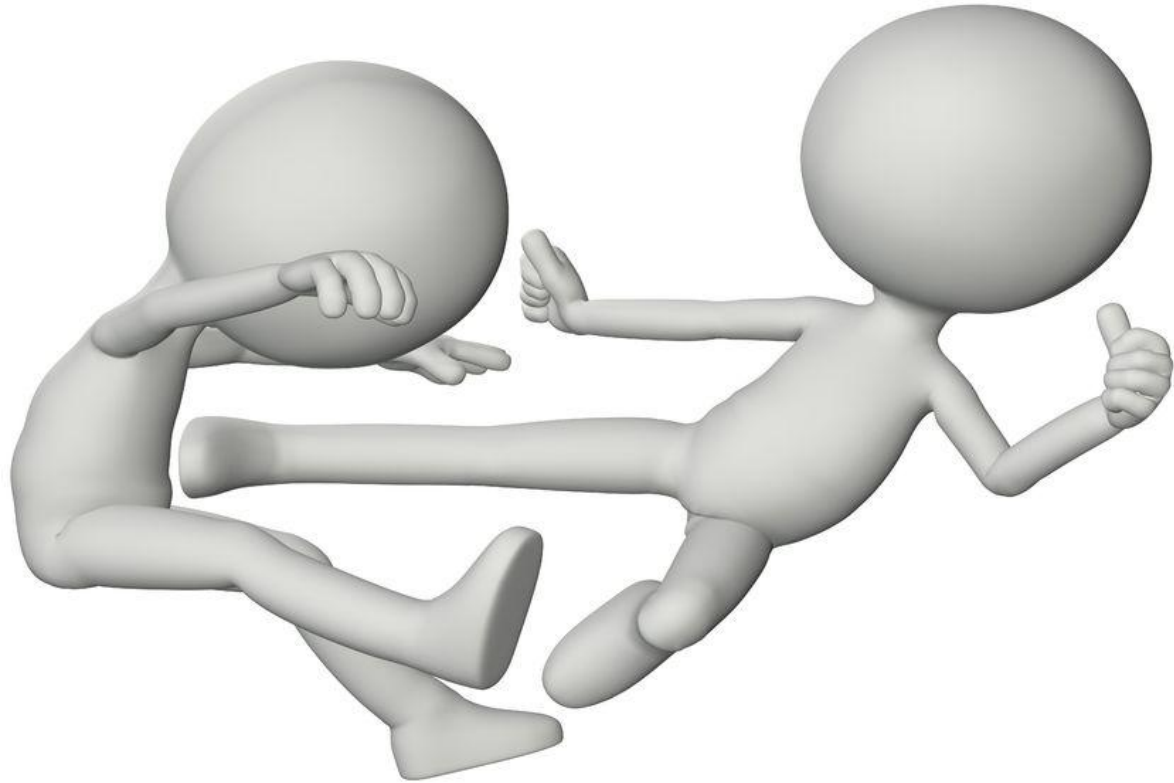
- CTO and Co-Founder
- Veracode, Inc.

- Original vulnerability researcher with L0pht Heavy Industries
- Testified on Capitol Hill on security topics
- Published first advisory in 1996
- Author of “The Art of Software Security Testing”

Anthony Lineberry

- Security Researcher
- Lookout Mobile Security

- Previously employed by McAfee, NeuralIO, and has spoke at Defcon and BH USA and Europe
- Specializes in reverse engineering, vulnerability research, and advanced exploit development
- Assisted with first ever iPhone jailbreak



The Game

Rules of Engagement

- Twitter - #bhmobile
- Questions solicited
 - Leading up to the event
 - From each combatant prior to the event
 - Live from the audience

May the riskiest security
layer win!



Are You Ready to Rumble



And The Winner IS....

