

# VINCENT MOSCATELLO

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WEBSITE: SHEEPSHELLCODE.COM

GITHUB: QUANTUMVM

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**OBJECTIVE** To obtain an entry level position in vulnerability research or malware RE.

**EDUCATION** BACHELOR OF SCIENCE, COMPUTER SCIENCE (Engineering)  
*University of Florida, Gainesville, FL GPA: 3.36 Graduation: Spring 2016*

**EXPERIENCE** INTERNSHIP RAYTHEON SI GOVERNMENT SOLUTIONS

*Vulnerability Research: May 11<sup>th</sup> 2015 – August 11<sup>th</sup> 2015*

- Applied white-box and black-box techniques to find software vulnerabilities
- Reverse engineered enterprise applications with and without source code

UNDERGRADUATE TEACHING ASSISTANT (UF)

*CIS 6930 Malware Reverse Engineering: Spring 2014 and Spring 2015*

- Performed binary analysis using IDA/OllyDBG on real world malware samples
- Composed technical reports that described a malware sample's properties

**LEADERSHIP** STUDENT INFORMATION SECURITY CLUB (President)

*President: Fall 2012 – Fall 2015*

- Organized participation in CTFs (cyber security competitions) such as CSAW, ghost in the shellcode, and defcon qualifiers.
- Built labs for students to practice exploiting vulnerabilities such as buffer overflows and format string vulnerabilities.

**TALKS** ABC LOCAL NEWS INTERVIEW

- Did an interview about the safety of public wifi with abc local news.
- <http://www.wcjb.com/morning-edition-technology-local-news/2014/11/dangers-free-wifi-your-personal-information-risk>

MALWARE TALK BSIDES ORLANDO (12<sup>th</sup> April 2015)

- Technical talk titled “Destover: Inside the Malware at Sony Entertainment”
- <http://bsidesorlando.org/2015/vincent-moscattello-destover-inside-the-malware-at-sony-entertainment>

**PROJECTS** FUZZING WITH AFL

02/01/2015

- Crashing vlc media player using a fuzzing environment designed around AFL.
- Full writeup: <http://sheepshellcode.com/blog/2015/09/21/an-american-fuzzylop-environment/>

BASH ELF COMPILER

12/31/2014

<https://github.com/quantumvm/Elf-from-echo>

- Compiles a linux program using only the command echo
- Full writeup: <http://sheepshellcode.com/blog/2014/12/31/writing-a-linux-executable-using-only-echo/>

**SKILLS**

Programming: C++/C, Java, Python, x86 Assembly, x86\_64 Assembly, MIPS Assembly  
Tools: OllyDBG, Ida Pro, Nmap, Wireshark, Metasploit