Corbin Souffrant

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EDUCATION

University of Illinois Urbana-Champaign
Computer Science Engineering B.S., expected May 2014
G.P.A. 3.17/4.0

Relevant Courses

CS461 - Computer Security I   CS460 - Computer Security Lab
CS498SH - Malware Analysis Lab   CS498LA - Undergraduate Research Lab
CS598MAN - Applied Cryptography   CS598MCC - Network Security
CS591RHC - Security Reading Group

SKILLS

Security

- Static and Dynamic Analysis: IDAPro, OllyDBG, GDB, Wireshark
- Malware Analysis: Unpacking techniques, Anti-debugging + Anti-Reversing removal
- Forensics: Autopsy, Votality, Scalpel, nmap

Programming Languages and Libraries

- C/C++, Python, x86 + MIPS assembly, Java
- ROS (Robot Operating System), OpenCV

EXPERIENCE

Raytheon, Annapolis Junction, MD   Summer 13
- Networks and Communications team
- Vulnerability Research and Development Intern

University of Illinois   Spring - Summer 12
- Worked with Professor Sam King to design and implement an application framework for general purpose robots.
- Presented a poster for the research at a research symposium in Siebel in Spring 2012

PROJECTS

Boston Bombing Spam/Malware Prevention   Spring 13
- Worked with John Bambenek to analyze a stream of spam related to the Boston bombing, analyzed domain registrations, basic malware reversing
- Thanked on isc.sans.org (SANS Internet Storm Center) and featured on WAND local news

Quality Evaluation of Obfuscation   Spring 13
- Attempted to develop a metric to allow for the development of a framework for analyzing the relative strength of an obfuscation routine
- Presented a poster at Siebel Center in Spring 2013

UIUC CTF Team Presenter   Fall 12
- Designed and presented a series of lectures on skills required to participate in a CTF

Android Telemetry for a Vehicle   Fall 12 - Spring 13
- Developed an android application that communicated with an Arduino device connected to a car engine. This provided real-time feedback on car speed, distance traveled, and time elapsed for the UIUC Ecoillini Shell Marathon Car

ACTIVITIES

- Ebay Hackathon 2013, won best use of Ebay API for a visualization of sales
- CSAW CTF 2012, placed 18th for qualifying teams with the ACM CTF Team
- ACM Special Interest Group for Security: Member since Spring 2012
- Undergraduate Computer Science Research Symposium 2012 Poster Presentation
- Illinois Technology Association Fall Challenge Finalist 2011