Alexander Interrante-Grant

#4841, 480 Rear Parker St, Boston, MA 02115
(505) 306-8306 a.interrantegrant@gmail.com
Linkedin: http://lnkd.in/dRFbt9y

Education

Northeastern University, Boston, Massachusetts   2013 – Present (Projected Graduation: Fall 2017)
- Candidate for Bachelor of Science in Electrical and Computer Engineering, GPA – 3.920, 66 Credit Hours
- Northeastern Collegiate Cyber Defense Competition (CCDC) Team Captain (http://www.nationalccdc.org/)
  - Responsible for coordinating a team of eight in system administration, hardening, and incident response while actively being targeted by a professional red team
  - Developed lesson plans/labs and deployed virtual environments for team practice sessions

Eldorado High School, Albuquerque, New Mexico   2009 - 2013
- GPA – 4.233 Class Rank – 29 of 397

Skills

- Experienced in the following programming languages/software (in order of proficiency) – C++, C, Java (particularly for Android development), Python, bash (scripting), Ruby (specifically Active Record), web design languages (HTML5, CSS3, PHP, JQuery, D3JS), MATLAB, AutoCAD, Solidworks, PSpice
- Network administration, virtualization (KVM/OVS and vSphere), and general system administration including vulnerability assessment and network service management

Work Experience

Raytheon IDS, Cyber Solutions and Integration Co-op   January 2015 – Present
Woburn, MA
- Researched and deployed the Host Based Security System (HBSS) on DoD owned Raytheon systems
- Hardened systems to comply with their respective Security Technical Implementation Guides (STIGs)
- Developed a Microsoft Access database application to keep track of NIST 800-53 security controls and developed a mapping of DIACAP 8500.2 to NIST 800-53 controls

New Mexico Center for Family Policy/Values, Webmaster (Part Time)   April 2014 – December 2014
Remote
- Lead web developer for http://www.nmcfp.com and http://www.nmcfv.org working remotely
- Migrated old website from static HTML to dynamic PHP, implementing JQuery, AJAX and CSS3
- Responsible for making time-intensive website changes and collaborating with the executive director

Sandia National Laboratories, Undergraduate Cyber Security Intern   April 2014 – August 2014
Albuquerque, New Mexico
- Contributed to the Advanced Network Toolkit For Assessments and Remote Mapping (ANTFARM) – open source project available at https://github.com/ccss-sandia/antfarm
- Developed a report detailing network traffic fingerprints for various android advertising frameworks
- Worked with a team of cyber security professionals in a high-performance computing lab constructing virtual networks using KVM and OVS and presenting findings to multi-million dollar customers
- Participated in the Center for Cyber Defenders and held a DOE L-level clearance

Sridhar NeuroDot Lab, Research Assistant (Volunteer)   October 2013 – April 2014
Boston, Massachusetts
- Worked with post-doc and to develop firmware for Arduino-based, minimal-contact neural imaging device
- Helped implement Bluetooth 4.0 for wireless communication from sensor to python-based GUI

Sandia National Laboratories, High School Student Intern   June 2012 – September 2013
Albuquerque, New Mexico
- Wrote python-based XML network topology file browser/reader/writer
- Implemented a number open source tools to demonstrate the interception and decryption of GSM (2G) cellphone calls using publicly available rainbow tables
- Sampled, tested, and reverse engineered malware for the Android platform

Interests/Activities

- Programming (for applications and automation) and web development
- Hobbyist, Arduino-based electronics
- Fitness (running/biking)

Publications

Van Leeuwen, B, Urias, V, Glatter, C, Interrante-Grant, A. "Testbed for Cellular Telecommunications Cyber Vulnerability Analysis." MILCOM 2013 Military Communications Conference. Nov 18 – 20, 2013.

References available upon request   **February 2015**