Farhankhan Daya

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EDUCATION

The University of Texas at Austin, Austin, TX   Graduation May/2016
Bachelor of Science in Computer Science
- UT GPA 3.40 – 83 hours
- Notable Courses: CS 439 (Operating Systems), CS 429 (Computer Architecture), CS 314 (Data Structures),   (CS 378) Modern Web Applications
- Business Foundations Certificate (2012-2016)
- Communications Society Officer: The club is primarily focused on computer security and its flaws.

WORK EXPERIENCE

Research Assistant (2013-2014)

- Researched effective ways to teach linear algebra through the use of python and basic computer science concepts
- Demonstrated research results through the development of a MOOC (online course) on the edX platform that averaged 4000 active participants. (Incredibly high for a MOOC)

Independent IT work (2014)

- Created the internal network for a doctor's office. Original setup featured two DHCP servers clashing with each other (on the same network and not configured to work together). I had to redo the entire network and set up all their networked devices again.

PROJECTS

- Created a web interface (https://github.com/solewolf/wicker) to manage remote "cracking sessions" dealing with WPA handshakes with a friend.

- Developed demo for online music collaboration platform during HackOut (http://hackout.challengepost.com/) with a development team of 3 others – 2014

- Created a game with a team during a Global Game Jam that demonstrated an understanding of the libgdx library for Java - 2014

- Built and programmed a robot with a team. The robot had navigational and defensive abilities in order to path its way through a maze while pushing away other enemy robots. Placed 3rd in a competition held by the UT Robot & Automation Society - 2013

SKILLS

Languages:
- Proficient in Java
- Intermediate with C, x86 Assembly, and PHP
- Exposure to Python, and LaTex

Web Development:
- Proficient in CSS, HTML, and use of the jQuery library
- Exposure to HTML5, CSS3, JavaScript and Bootstrap

General:
- Familiar with GIT and the Linux environment
- Native English, Novice Urdu (Can mostly understand the language, but can't speak it)

Penetration Testing:
- Intermediate with usage of Metasploit and chaining tools together to achieve results
- Exposure to Buffer Overflows, SQL Injections, XSS attacks, MITM attacks (ex: ARP/DNS Cache Poisoning, pass the hash), sniffing networks, and IP Address spoofing

COMMUNITY INVOLVEMENT/LEADERSHIP

- Assembled, managed, and coordinated a group of roughly 30 people in order to build an 8' x 12' tool shed for a local church.
- Boy Scouts (Eagle Scout), 2004-2012
- Volunteers (Volunteered Service for religious based organization) 2006-2012

HONORS AND AWARDS

- Eagle Scout, 2010
- Gold PSA (Presidential Service Award), 2008-2009, 2009-2010, 2010-2011
- Order of the Arrow member (Honors Society for boy scouts)