

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 IT Chairman: The club is primarily focused on computer security and its flaws. My primary responsibilities involve setting up and managing our backend servers and ensuring uptime for our hackathons.

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)

WORK EXPERIENCE

Research Assistant (2013-2014) - <https://www.edx.org/course/utaustinx/utaustinx-ut-5-01x-linear-algebra-1162#.VBpBPfIdV8E>

- 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 as promptly as possible (they were in the middle of a patient influx and their patient records were online)

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/> - <https://github.com/lobabob/MusicHub>) with a development team of 3 others – 2014
- Created a game (a platformer - <https://github.com/lobabob/GameJam>) with a team during a Global Game Jam that demonstrated an understanding of the libgdx library for Java – 2014
- Programmed a script (Trackr - <http://guysthatcode.com/projects/trackr/>) in Python and PHP with a friend that would provide a computer recovery service for stolen Linux and Mac computers. Services included providing the internal/external ip address, Uptime, info on remaining battery life, remote control of the camera (photos and videos), remote screenshot abilities, remote locking abilities, and the ability to remotely execute commands. – 2012
- 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. The team had to deal with repeated (and unexpected) circuit-board combustion mid-competition. Placed 3rd in a competition held by the UT Robot & Automation Society - 2013

SKILLS

Programming 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

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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