**EDUCATION**

**The University of Texas at Austin**, Austin, TXGraduation 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.

Free Lancing Web Design (2011-2012)

* Designed and created functionality for customer websites
* Utilized JavaScript, PHP, and SSI to enable functionality
* Actively communicated with customers to ensure they got the results they wanted

**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
* Programmed a script (Trackr) that would provide a computer recovery service for stolen Linux and Mac computers with a friend. 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

**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)