

# **Tristan Mendoza** • <http://tristanmtx.github.io/>

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**Network Security Engineer • Over 20 years I.T. experience in various DevOps roles  
Certified CEH; CCNA; LPIC; CLA; Network+ Security+ Linux+. Pursuing CCNP, RHCE, OSCP**

## **Overview:**

- Apple MacOS and Microsoft Windows clients and servers (1994-present), Linux and BSD families (1999-present).
- Designing network physical and logical topology; configuring Cisco routers and switches. Troubleshooting/ resolving issues with OSI layers 1-4; VLSM, IPv6; LAN routing (RIPv2, OSPF, EIGRP), WAN (PPP, Frame Relay, and VPN); Switch port security and ACLs; VLANs, trunking, STP, EtherChannels; Load Balancing; DHCP, NAT; Syslog, SMTP, and NetFlow, etc.
- Drafting security policy for enterprise systems and networks; firewall configuration; IPSec, SSH, and SSL/TLS solutions.
- Monitoring traffic with Wireshark, MRTG, Solarwinds tools, NIDS (Snort, Nagios, etc.). Enthusiast of Security Onion and OSSIM
- Vulnerability assessment and penetration testing of network systems using tools such as Nessus, nmap, hping, dsniff, Hydra, and many others in Kali Linux, SANS REMnux; OWASP's WTE distribution (BeEF, Nikto, Mantra, etc) for scanning application servers
- Post-incident forensic analysis using Encase, AccessData FTK, Autopsy/ Sleuth Kit, Distributions such as SIFT and DEFT.

## **Education • Professional Development**

### **Independent Study • Enterprise Linux, Network Systems and Security • 09/2010 - Present**

- Personal mission undertaken to update professional skillset to better suit the modern enterprise with cloud provisioning employing Red Hat Enterprise Linux 7, OpenStack, and containerization solutions; special detail given toward both network infrastructure and security, to address emerging technologies and threats.
- Special areas of focus: Red Hat (RHEL7) and Debian Linux, BSD Unix (OSX Darwin, FreeBSD, PfSense) and Cisco
- Security outlines from EC-Council, SANS Institute (GIAC), and OffSec (OSCP, OSCE) curriculum materials.

## **Employment History**

### **Austin Community College • Psychology, Sociology • Departmental Coordinator • 08/2006 - 09/2014**

- Facilitated and coordinated operations with approximately 150 adjunct and full-time faculty members. Provided technical support and troubleshooting for Windows XP/7 and Mac OS X. Clerical administrative role.

### **Texas Radiation Online • Project Director/ Information Architect/ Legislative Advisor • 02/1999 - 05/ 2006**

- Founder, researcher and policy analyst; frequently advised Legislative staff, House and Senate members, and state/federal government regulatory agencies (DOD, DOE, NRC, e.g.) on regional nuclear waste policy/ legislation.
- Author, UI/UX designer/developer. Project presents a physics curriculum and the nuclear history of Texas.

### **Top Drawer/HumanCode/Sapient • Programmer/ Engineer • 05/1999 - 02/2001**

- Software developer; Mac, Windows; Programmed OOP Lingo (Macromedia Director) and ActionScript (Flash).
- Picked up intermediate-level Java, C/C++, SQL, PERL. Began using Linux as a hobbyist in early 1999.

### **University of Texas at Austin • Computer Programmer/ Svcs. Asst • 06/1994 - 05/1999**

- Managed the College of Education's Multimedia Development Lab, supporting the doctorate Instructional Technology program. Interim supervisor for all labs provided for the College. Oversaw and trained lab assistants.
- Provided hands-on consulting and presented workshops to faculty, staff, and students in UI/UX design, project management, A/V and graphic production. Special project partnerships with U.Texas and local school districts
- Network infrastructure and systems development; server optimization and user administration. Oversaw maintenance of several hundred workstations. Programmed software distribution templates (rdist) for the local software repository.