

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

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## **Network Security Engineer • Over 20 years experience in various DevOps roles**

**Certifications:** *EC-Council CHFI and CEH; CCNA Routing and Switching; LPIC-1; Novell SUSE CLA; CompTIA Security+, Network+, Linux+, and Advanced Security Practitioner*

**Currently pursuing CCNP, RHCE, and OSCP with additional focus on C++ and Python**

### **Overview:**

- Apple 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 extended ACLs; VLANs, trunking, STP, EtherChannels; Load Balancing; DHCP, NAT; Syslog, SMTP, and NetFlow, etc.
- Drafting security policy for enterprise systems and networks; firewall configuration; IPTables, 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, Hydra, and many others in the Kali Linux toolbox; Web vulnerability scanners (BeEF, Nikto, Burp Suite, WebScarab, etc) for application servers.
- Post-incident forensic analysis using Encase, FTK, Autopsy/ Sleuth Kit, Distributions such as SANS SIFT/REMnux, CAINE, 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 (OpenStack), containerization solutions (Docker); with special detail given toward both network infrastructure with Cisco, and security with Kali Linux, to address emerging technologies and threats. Inclusive to this:
- Created Unix/Linux outlines based on RHCSA/RHCE certification topics, expanded to include Debian, FreeBSD equivalents.
- Created Security outlines based on topics in materials from EC-Council (CEH), SANS Institute (GIAC), and OffSec (OSCP).
- In late 2015, received grant for financing certification exams through Texas Workforce Commission and New Horizons.

### **Employment History**

#### **Austin Community College • Psychology, Sociology • Departmental Assistant • 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, author, researcher and policy analyst; UI/UX designer/developer; frequently advised Legislative staff, House and Senate members, state and federal government agencies (DOD, DOE, NRC, e.g) on radioactive waste policy.

#### **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.