

Brian E Jones

Objective

Continue to research and pursue current technology solutions for providing reliable, secure information technology to users. Participate in Internet governing bodies to shape the future of Internet resource allocation and use. Pursue challenging yet rewarding information technology projects that will facilitate personal growth and development while providing career advancement opportunity.

Professional Achievements

Director

- **Participate with application developers and Network Engineers to capture work flow processes and incorporate into standard operating practices. Make work visible and manage work not workers**
- **Proven ability to build and lead diverse technical teams in timely project completion**
- **Converge traditional telephony, network engineering, and systems teams into one cohesive departmental work flow unit**
- **Develop IT solutions for sister institutions affiliated with Virginia Tech. e.g. Developed VPN solution for VCOM (Edward Via College of Osteopathic Medicine) to connect their South Carolina campus to Virginia Tech computing resources securely**
- **Leading efforts in architecting a network overlay for providing additional security for university Personal Identifying Information computing transactions; includes router ACLs, firewall configuration, IDS/IPS, system log analysis, and packet analysis**
- **Research and evaluate broad reaching IT solutions to facilitate university research, academic, faculty, and staff computing needs**
- **Coordinate large core network upgrades**

Skills

- **Director – Manage work flow and foster collaboration between universities IT groups. Carry out executive Director directives. Lead Escalation Engineering Team of IT subject matter experts**
- **Network Architect – Develop secure network for employees of Virginia Tech who are required to use Personal Identifying Information data as a part of the normal job responsibilities. IDS/IPS, Firewall, FireEye**
- **Participate on multiple committees for determining Virginia Tech IT direction, procuring hardware and software (RFP committees), and providing service announcements to populate the university planning calendar**
- **Network Administration – Involved in application development for change management, configuration backups and version control, capacity planning, call center operation, trouble ticketing, and procedure development**

- **Network Management – Deploy real time fault management solutions, performance monitoring, capacity planning, flow data analysis, SNMP implementation, interaction with trouble ticketing systems**
- **Application Administration – Determine the need for, evaluate products, procure, install, and configure network management platforms, security products, inventory and asset management tools**
- **System administration – MAC OS, FreeBSD, Linux, Windows, Solaris, HPUX, others**
- **Call Center Operation and management – Develop procedures, scheduling, staffing, training**
- **Engineering team management – Build top notch network engineering teams to install and maintain large heterogeneous networks for the university**
- **IPv6 advocate and evangelist – Participate in the IPv6 working group, NANOG, ARIN, and IETF Internet governing bodies. Participated in World IPv6 Day where Virginia Tech was the leader in IPv6 traffic according to Google statistics**
- **Budget development**
- **Project Management**
- **Trouble Shooting**
- **Data Analysis**
- **Problem Solver**
- **Research**
- **Solution Specialist**
- **COOP and Disaster Recovery team lead**
- **Risk Management**

Work History

Director Escalation Engineering - Virginia Tech, Blacksburg, VA August 2022 to present

Director Converged Network Operations - Virginia Tech, Blacksburg, VA August 2012 to January, 2022

Director Network Engineering & Systems Support - Virginia Tech, Blacksburg, VA January 2011 to July 2012

Network Engineering Manager - Virginia Tech, Blacksburg, VA January 2001 to May 2011

Network Analyst - Virginia Tech, Blacksburg, VA May 1999 to January 2001

Computer Center Lead Engineer - Virginia Tech, Blacksburg, VA December 1998 to April 1999

Telecommunications Engineer Supervisor - Virginia Tech, Blacksburg, VA November 1996 to December 1998

Telecommunications Engineer - Virginia Tech, Blacksburg, VA January 1995 to November 1996

Network Manager Virginia Tech - Blacksburg, VA January 1993 to January 1995

Installation and Maintenance Supervisor - Virginia Tech, Blacksburg, VA January 1992 to January 1993

Electrical Engineer A - Virginia Tech, Blacksburg, VA March 1988 to January 1992

Quality Assurance Engineer - Litton Poly Scientific, Blacksburg, VA October 1989 to March 1990 (20hrs per week)

Lab Mechanic C - Virginia Tech, Blacksburg, VA August 1986 to March 1988

Lab Mechanic B - Virginia Tech, Blacksburg VA October 1984 to August 1986

Education

Bachelor of Science in Engineering Technology - Old Dominion University Norfolk, VA December 15, 2007

A.A.S. Degree in Electronic Technology - New River Community College, Dublin, VA June 15, 1984

High School Diploma with certificate for 1080 hours of Electronic Instruction - Carroll County High School, Hillsville, VA June, 1981

References

References are available on request.