

# Matthew J. Wheeler

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## Profile

**Experienced security analyst specializing in vulnerability assessments, penetration testing, and mitigation consulting for areas including physical, logical, and procedural controls.**

## Work Experience

**State Farm Insurance Company, Bloomington, Illinois** **2007- Present**  
**Vulnerability Assessment Analyst**

Responsible for performing vulnerability assessments on the enterprise computing and security infrastructure, consulting business partners to better mitigate potential threats, and develop protective policies in accordance with PCI-DSS, HIPAA, and other regulatory requirements. Hardware and software assessments, physical controls, investigations, public disclosures, and user education were included in this scope. Developed scanning procedures for corporate PCI-DSS and FFIEC compliance using Nessus and WebInspect. Penetration tests were performed on internal and external systems by attempting to exploit weaknesses in all security domains using automated tools such as Core Impact in addition to manual testing utilizing personally-developed applications. Served on various committees and advised executives on business risks. Developed and owned multiple processes for verifying security compliance and well as responsible for taking corrective actions in the event of security breaches. Reports were shared with various levels of management and caused financial industry security changes affecting entities such as the Federal Reserve.

**State Farm Insurance Company, Bloomington, Illinois** **Summers, 2001-2006**  
**Enterprise Information Security and Directory Services Seasonal Employee**

Duties included researching vulnerabilities, development of security tools, procurement of hardware/software solutions, operating system configuration, vulnerability assessments, reverse engineering software using IDA Pro, data mining proxy server logs/generating reports, application programming, and consulting team members on specific technologies during assessments.

**Illinois College, Jacksonville, Illinois** **2004-2006**  
**Lead Student Technician**

Duties include repairing student and school computers, troubleshooting network performance, application installation, maintenance, server troubleshooting, and security configurations. On-call responsibilities during off hours.

## Skills

### Operating Systems

Windows Server 2000, 2003, 2008  
Windows XP, Vista, 7  
Mac OS X  
Unix (limited AIX)  
Linux (All major distributions)  
Cisco IOS

### Development Languages

C++  
Python  
Assembly (x86)  
Perl  
Bash  
Visual Studio

### Security Testing

WebInspect  
Nessus  
Security Center  
Core Impact  
Sandstorm  
Retina  
IDA Pro + HexRays

### Applications

IIS, Apache  
SQL, MySQL  
IDA Pro, HexRays  
General Office Applications  
Syslog  
Postfix  
Sharepoint  
Major Anti-Virus Solutions (Symantec, McAfee, Trend Micro)

### Industry Knowledge

PCI-DSS  
HIPAA  
BITS  
ISO 17799  
Sarbanes-Oxley  
NIST  
OWASP

### General Skills

Firewall/Proxy Implementation  
Network IDS/IPS  
TCP/UDP/ICMP  
Cisco Network Devices  
Active Directory  
DNS, DHCP, NTP  
Storage Technologies (iSCSI, Samba, NFS, etc.)  
802.11 Wireless Technology  
Corporate Policy Creation  
Incident Response/Analysis  
Business Intelligence Gathering

## Education/Designations

### Illinois College

Bachelor of Science - Computer Science, 2007

### EC-Council

Certified Ethical Hacker (CEH), EC-Council Security Analyst (ECSA), Licensed Penetration Tester (LPT)

### (ISC)2

CISSP - Pending (test passed on 2/28/2010; awaiting final confirmation of certification)

### Blackhat Security Training

TCP/IP Weapons School, Exploit Lab, Hacking by Numbers: Combat Edition

## Activities

FS-ISAC - Member

2008-2010

Phi Alpha Literary Society Foundation - Trustee

2009-2010

Big Brothers/Big Sisters - Mentor

2007-2009

## References

Available upon request

