

# Jonathan R. Cran

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Penetration Tester with background in System Administration and Software Development. Genuine talent in leading and communicating across age-groups. History of career growth, flexibility, and pursuit of opportunity. Seeking a challenging technical position to maintain growth in Operational and Tactical Information Security.

*Quickly ascends into leadership roles, with the ability to mentor others.*

## Skills / Knowledge:

Windows Administration	Microsoft Team System (Experienced)	Secure Architecture Design
Linux Administration	C# / .NET 3.0 (Proficient)	TCP/IP Network Security (OSSTMM)
Mac OS X / Server	C++ / Java (Proficient)	Web Application Security(OWASP)
IIS 6.0 / Apache 2.x / Tomcat	ASP / VBScript / WMI (Proficient)	Physical + Wireless Security
Exchange/ Active Directory	Bash Shell Scripting (Proficient)	Security Regulations (PCI, ISO27002)
Trac / Subversion / CVS	Ruby / Perl (Beginner)	nmap, nessus, scapy, BurpSuite, etc.

## Career Accomplishments:

### Rapid7, LLC (2007 - 2008)

Full service security firm specializing in PCI consulting, penetration testing, web application assessments and vulnerability assessment. I was hired as a junior consultant, and quickly moved into leadership roles.

**Penetration Tester**

**Security Consultant**

- Managed and performed security assessments and audits for Fortune 500 clients.
- Attained deep knowledge and skills testing numerous business systems and networks.
- Served as advisor for both teammates and business leaders.
- Created and managed processes to handle rapid growth of team.
- Dramatically improved testing process and documentation utilizing open source software.
- Achieved in-depth knowledge of regulations (PCI, HIPAA, ISO27002), testing methodologies (OSSTMM, OWASP) and reporting processes (DREAD, STRIDE).

### Ag Leader Technology, Inc. (2006 – 2007)

Agriculture technology solutions provider specializing in GPS for precision agriculture. My focus was to provide the software team with a customized and secure implementation of Team System.

**System Administrator**

**.NET Developer**

- Designed and architected development processes around Team System.
- Documented processes within the existing software development lifecycle.
- Customized and extended the Team System platform to fit the development processes.
- Worked independently, giving regular progress reports to facilitate communication.
- Wrote .NET web services to ease transition from legacy systems.

### Iowa State University: College of Human Sciences (2003 – 2006)

The College of Human Sciences IT department provides services to Faculty and Students. I was hired as a helpdesk technician and also provided support as a network administrator and developer.

**System Support Specialist**

**Network Administrator**

- Maintained functionality and security on distributed network of 500 machines.
- Mentored younger employees to enhance their technical and communication skills.
- Created tool set for common problems (VBScript, Batch Scripts, and Doc. Library).
- Designed and developed multiple web applications for students.
- Oversaw and advised during the merger with another large college at ISU.

## Education:

2002 – 2007

Iowa State University (Ames, Iowa)

Bachelor of Science (Computer Sci.)

Specialized courses in Software Testing, Advanced Networking, Information Warfare and Project Management.

## Leadership / Service / Awards:

SourceBoston Volunteer (2008)  
Information Assurance Group (2006, 2007)  
Cyber Defense Competition (2006, 2007)

## Interests:

Network Monitoring  
Penetration Testing  
Vulnerability Development  
Free / Open Source Software  
Entrepreneurship  
Data Visualization

References and Additional Information available at <http://www.jonathancran.org>.