

ADAM SCHAAL

Cyber Security Professional



OBJECTIVE

Senior Developer with management experience seeking a Penetration Testing position.

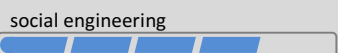
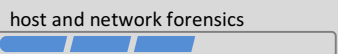
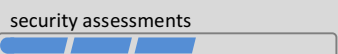
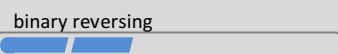
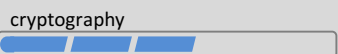
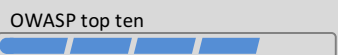
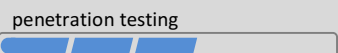
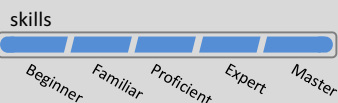


KEY CERTIFICATIONS

Offensive Security Certified Professional · 2016



SECURITY SKILLS



TOOL UTILIZATION

- WIRESHARK
- BURPSUITE
- NMAP
- KALI LINUX
- IDA PRO
- OLLYDBG
- METASPLOIT
- NESSUS



EDUCATION

- MASTERS DEGREE** · JAN 2012 – DEC 2016
University of Nebraska at Omaha: Masters Degree in Cyber Security with Specialized Focus in Offensive Security. GPA 3.89 / 4.00
Achieved Dean's List
- MASTERS DEGREE** · JAN 2008 - MAY 2009
University of Nebraska at Omaha: Masters Degree in Architectural Engineering with Specialized Focus in Structural Engineering. GPA 3.35 / 4.00
Achieved Dean's List
- BACHELORS DEGREE** · AUG 2004 - MAY 2008
University of Nebraska at Omaha: Bachelors Degree in Architectural Engineering with Specialized Focus in Structural Engineering. GPA 3.21 / 4.00
Achieved Dean's List
- ACADEMIC ACHIEVEMENTS** · AUG 2004 - PRESENT
University of Nebraska at Omaha: MAY 2004
Regent's scholarship winner. Received for maintaining a 3.94 / 4.00 GPA in high school and finishing in the top 5% of class numbering over 600.
Educational Leadership Opportunities: AUG 2006 - MAY 2009
Engineering Dynamics Graduate Teaching Assistant
Steel Design Teaching Assistant
College Algebra Teaching Assistant
EIT Certification: APR 2008
Passed the Fundamentals of Engineering Exam
Offensive Security Certified Professional Certification: OCT 2016
Exploited 29 Lab Boxes and 4/5 Exam Boxes
Information Assurance Capstone Coursework: JAN 2016 – MAY 2016
Researching Vulnerabilities in currently NDA-protected Power SCADA systems.



WORK EXPERIENCE

- INFOGROUP** · MAY 2016 – PRESENT
Front End Engineer: One of four team members moving company applications from .NET to ReactJS. Work involves modernizing company front end technologies and handling massive amounts of data in a readable and elastic manner. Also assists in architecting platforms and developer base projects.
- GALLUP, INC** · SEP 2014 – MAY 2016
Software Applications Developer: Part of development team working on entire overhaul of Gallup Analytics and Reporting system. Responsible for work on front end application with Ember CLI. Works closely with Software Architects and Java service layer developers. Practiced Agile/SCRUM, DevOps, and Continuous Integration methodologies.
- NATIONAL INDEMNITY COMPANY** · JUL 2011 - SEP 2014
Lead Software Developer (ACES & NIFIS): NOV 2012 - SEP 2014
Promoted to lead developer of *ACES* and *NIFIS*, two internal programs focused on printing legally binding policy documents for all 50 states. Responsible for every work order and bug with live policies and ensuring they are fixed within a timely manner.
Lead Software Developer (FNOL): AUG 2012 - SEP 2014
Promoted to lead developer of *First Notice of Loss*, a claims website. Worked with HTML 5.0, CSS 3.0, Javascript, and jQuery within the ASP.NET web application.
Software Administrator: SEP 2011 - SEP 2014
Promoted to administrator of *Upload*, a program for moving all policy data into the mainframe.
Software Developer II: NOV 2011 - DEC 2012
Assistant administrator duties of the Image Right Task Creator, which aids in batch policy printing. Worked with Microsoft SQL Server, ASP.NET, and Visual Studio.
Software Developer I: JUL 2011 - NOV 2011
Responsible for the maintenance, error/bug fixing, and revisions on *NICO-Rate*, a flagship commercial vehicle rating program used nationwide.

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ADAM SCHAAL

Cyber Security Professional



LANGUAGES

- PYTHON
- ASP .NET
- BASH
- PHP
- JAVASCRIPT
- ASSEMBLY
- SQL/MYSQL
- JAVA



EXTRACURRICULARS

CAPTURE THE FLAGS (CTFs)

- CSAW CTF QUAL ROUND 2016-2011
- PLAIDCTF 2016-2014
- DEF CON CTF QUALIFIER 2016-2015
- BOSTON KEY PARTY 2016
- GOOGLE CAPTURE THE FLAG 2016
- GHOST IN THE SHELL CODE 2015-2013
- BREAK IN 2015
- OCTF 2015
- rwthCTF 2013-2011

ATTACK DEFEND EVENTS

- IOWA STATE NATIONAL CYBER DEFENSE COMPETITION 2016, 2013
- FAUST CTF 2015

ONLINE COMPETITIONS

- www.hackerrank.com
- www.pwnerrank.com
- SANS HOLIDAY CHALLENGE 2016



INTERESTS & HOBBIES

- CAPTURE THE FLAGS (CTFs)
- CHESS
- CODING HACKATHONS
- HOME AUTOMATION
- ELECTRONICS
- WEB APPLICATION SIDE PROJECTS
- FAMILY TIME
- BUILDING MY OWN INFOSEC TOOLS (i.e. POISON TAP, RUBBER DUCKY)



LEADERSHIP EXPERIENCE

1

ELECTED VICE PRESIDENT · 2016

Elected Vice President of NULLify – UNO Information Security group. Helped coordinate and lead meetings. Also, helped create a high school CTF competition with over 100 competitors.

2

ELECTED TREASURER · 2014

Elected to University of Nebraska at Omaha's Information Security team's executive counsel. Worked closely with the council to help derive content for group. Worked on topics such as cross-site scripting, SQL injection, and breaking web applications.

3

GRADUATE ADVISOR · 2009

Graduate advisor to the 2009 University of Nebraska Seismic Design Team. Achieved 2nd place in nation for innovation award involving a magnetic dampening system.



HONORS AND AWARDS

2nd

SECOND PLACE · PKI CAPSTONE & RESEARCH CONFERENCE · APR 2016

Achieved 2nd Place in PKI 2016 Capstone & Research Conference with team of 2. Our submission titled, "Weaponizing Zero Days? There's an App for That!", involved building an application to take advantage of a SCADA zero-day vulnerability. The application was built using ember-cli-cordova and worked on iOS, Android, Windows, Blackberry, and Desktop devices. It uses a zero-day vulnerability to bypass authentication into a SCADA system and take full I/O command control.

1st

FIRST PLACE · CSG HACKATHON · FEB 2016

Achieved 1st place finish in CSG International University Hackathon with team of 3. Created solution in Ember JS and Python. Features included: Client and customer side of application, live chat modal between client and customer, ability to print PDF statements and edit them from the client side, also a feature for customers to text a phone number and get automatically put into a queue on the client side. We also would text the customer back with queue number and estimated wait time.

3rd

THIRD PLACE · ISU NATIONAL CYBER DEFENSE COMPETITION · FEB 2016

Achieved 3rd place in National Cyber Defense Competition in a team setting. Only team to achieve perfect uptime and only team to lose zero personal information points on our users. Our environment included a mixture of windows and linux boxes, a .NET marketing web application, a PHP File management system web application, a SCADA network, and no initial firewall. Each environment and system was initially vulnerable, but patched and updated by our team. The web applications were also rewritten securely.

2nd

SECOND PLACE · ACM COMPETITION OPEN DIVISION · DEC 2015

Achieved 2nd place in this ACM style individual competition. Algorithm solving problems were scripted with Python 2.7.



TOP STRENGTHS

1

LEARNER

People strong in the learner theme have a great desire to learn and want to continuously improve. In particular, the process of learning, rather than the outcome, excites them.

2

INPUT

People strong in the input theme have a craving to know more. Often they like to collect and archive all kinds of information.

3

INTELLECTION

People strong in intellection are characterized by their intellectual activity. They are introspective and appreciate intellectual discussions.

4

ACHIEVER

People strong in the achiever theme have a great deal of stamina and work hard. They take a great satisfaction from being busy and productive.

5

COMPETITION

People strong in the competition theme measure their progress against the performance of others. They strive to win first place and revel in contests.

Source: Clifton StrengthsFinder

WORKPLACE



AGILE / SCRUM

●●●●● (Years Experience)

CONTINUOUS INTEGRATION

●●○○○

DEV OPS

●●○○○

KANBAN

●●●○○

WATERFALL

●●●○○



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