



## Rob Fuller

Director of the Red Team / Director of Cyber Threat Intelligence  
Fredericksburg, VA

Information Security addict that enjoys learning on and off the job about all facets of defensive and offensive techniques to better assist in the development and defense of companies large and small.

### Experience

#### Chief Technical Officer

##### Mid Atlantic Regional CCDC

Columbia, MD

Dec 2018 - Present

- Build and deploy infrastructure to support 80 college and universities competing for the entire Mid-Atlantic region
- Build and deploy infrastructure to support the 10 collegiate finalist teams to compete in the regional championship

#### Director of the Red Team

##### United Airlines

Chicago, IL

Mar 2021 - Present

- Lead and manage the internal Red Team
- Manage the Vulnerability Disclosure Program
- Identify risks, vulnerabilities, and systemic issues within the United Airlines networks, airports, and fleet of airplanes.

#### Director of Cyber Threat Intelligence

##### United Airlines

Chicago, IL

Mar 2022 - Present

#### Co-Founder

##### Northern Virginia Hackers Association

Reston, VA

Feb 2009 - Present

- Manage a group of over 700 members
- Coordinate and run a monthly meeting
- Coordinate and run a yearly conference called Epilogue

#### Red Team Director

##### Mid-Atlantic Collegiate Cyber Defense Competition

Johns Hopkins University Applied Physics Laboratory

Feb 2008 - Feb 2019

- Manage, Recruit, and Develop Red Teamers for the team

### Education

#### Western Governors University

##### Bachelor of Science, Cyber Security and Information Assurance

2014 - 2019

#### Western Governors University

##### Masters of Science - Cyber Security and Information Assurance

2019 - 2022

- Conduct Offensive Operations for CCDC

**Principal Security Consultant**  
**Black Hills Information Security**

Spearfish, SD

May 2020 - Mar 2021

Develop Purple Team Offering

**Staff Security Engineer**

**Cruise Automation**

Washington, DC

Jul 2018 - May 2020

- Developed Authentication Company Policy
- Developed and deployed adaptive password auditing technology
- Lead and Conduct Red/Purple Team Assessments

**Executive Editor**

**ShmooCon Press**

Washington, DC

Aug 2015 - Present

Coordinate and manage all incoming submissions to the ShmooCon Proceedings journal

**Senior Technical Advisor**

**HBO's Silicon Valley**

Los Angeles, CA

Nov 2014 - Dec 2019

- Assist with character development and story line
- Manage / correct technical and information security story items

**Senior Security Engineer**

**Uber**

Washington, DC

Apr 2017 - Jul 2018

- Lead and Conduct Red / Purple Team Assessments
- Audit Active Directory Security Controls
- Audit Cloud AD migrations and on-prem security controls

**Senior Managing Consultant**

**IBM X-Force Red**

Richmond, VA

Oct 2016 - Apr 2017

- Managed Customer Relations for Red Team Assessments
- Lead and Performed Red / Purple Team Assessments
- Performed Amazon Cloud Assessments
- Completed US Government security consulting service on-boarding project for IBM security services.

**Principal Security Engineer**

**R5 Industries LLC**

Virginia

Oct 2015 - Oct 2016  
AntigenC2, Red Teaming

**Senior Enterprise Security Architect**

**General Electric**

Richmond, VA

Mar 2015 - Sep 2015

Architect solutions and come up with innovative technologies to securely advanced the company into the cloud, and disruptive technologies on the bleeding edge.

**Senior Red Team Analyst**

**General Electric**

Richmond, VA

Oct 2011 - Feb 2015

Perform threat based attack scenarios against GE infrastructure by means of physical, wireless, external and internal threat postures. Develop attacks against mobile, ICS/Scada, and embedded platforms.

**Security Consultant**

**Rapid7 LLC**

Boston, MA

Dec 2010 - Oct 2011

Tested business networks in 1 to 3 week style Penetration Tests in the fields of wireless, phishing, internal, and physical access.

**Senior Attack Simulation Technician**

**Applied Security Inc**

Reston, VA

Aug 2009 - Nov 2010

Performed attack simulations using zero-knowledge grounds while researching and developing tools and techniques customized to each individual scenario.

**Penetration Tester (Pentagon Contract)**

**Engineering Services Network**

Crystal City, VA

May 2008 - Aug 2009

Performed routine scans and penetration tests against organizational assets. Prepared and presented security briefings for Pentagon staff

**Senior Security Analyst (Senate Contract)**

**Nortel Government Solutions**

Manassas, VA

Feb 2008 - May 2008

Trained 4 shifts of Incident Response Analysts on IDS / IPS technologies and operation. Assisted in management, engineering and upgrade of SIEM and SAN migration.

**Sergeant**

**United States Marine Corps**

Okinawa, JP and Quantico, VA  
Sep 2000 - Apr 2008  
Enterprise Plans Engineer, Tier 2 Incident Response  
Technician, MARCERT, as well as 1371 Combat  
Engineer for 4 years before those.

## Projects

### Hackers in Education

Created free, sharable resources for K-12 schools to teach cyber hygiene in schools along with training materials for teachers to use and teach from.

### Metasploit

#### Rapid7

- Developed 3 core functionality improvement
- QA tested 2000 modules

### Attacker Knowledge Base

#### Rapid7

- Built initial site and prototype
- Core UI/UX

### Red Team Training

#### Verified Security

Taught courses at BlackHat, and 20+ companies.

## Contact

rob@room362.com

(503) 406-8249

<https://malicious.link/>

<https://twitter.com/mubix>

<https://www.facebook.com/mubix>

<https://linkedin.com/in/mubix>

## Skills

Red Team

Penetration Testing

Programming (Ruby, Python, C++, C#, PHP)

Metasploit, CANVAS, and CORE Impact

Windows, Linux and Mac operating systems

Routers and Switches (Cisco focus)

Presenting, Lecturing and Reporting

Teaching Information Security classes