

Steffanie Bisinger

Abridged Resume

(701) 484-3130
srbising@gmail.com
www.srbising.me



Education

- 2016–2018 **Iowa State University**, *Masters of Science, Information Assurance and Computer Engineering.*
2011–2016 **Iowa State University**, *Bachelors of Science, Software Engineering.*

Software skills

Programming Languages	Python, Java, C, Scala, Erlang, Bash, HTML5, CSS, Javascript	Software Development	PyCharm, Eclipse, GCC, GDB
Penetration Testing	Wifi Pineapple, Bash Bunny, BurpSuite, Metasploit w/ custom modules	Large Dataset Tools	Apache Hadoop, Apache HDFS, Apache Spark, ElasticSearch
Forensics/ Analysis	Wireshark, Volatility, IDAPro	Web App Frameworks	Django, Flask

Experience

- 2017 – 2018 **Graduate Research Assistant**, ARGONNE NATIONAL LABORATORY, Lemont, IL.
Conducted research into innovative moving target defense solutions, including the Dynamic Application Rotational Environment
- 2013 – 2018 **Research Assistant**, ISEAGE LAB, IOWA STATE UNIVERSITY, Ames, IA.
Hosted cyber defense competitions at the high school, college, and national levels; made improvements to custom
- 2016 – 2016 **Network Security Intern**, ROCKWELL COLLINS, Cedar Rapids, IA.
Managed Checkpoint firewalls and penetration tested firewall management application.
- 2015 – 2015 **Security Intern**, WORKIVA, Ames, IA.
Penetration tested Python web applications and developed a web application for in-house phishing assessments.

Projects & Professional Development

- Oct 2017 **First place team**, WILD WEST HACKIN' FEST CAPTURE THE FLAG, Deadwood, SD.
Competed on the SecDSM team in a capture the flag competition with challenges requiring a range of skills from offensive techniques to steganography.
- Jul 2017 **Competed**, DEFCON INTERNET OF THINGS VILLAGE CTF, Las Vegas, NV.
Worked with a team of classmates to exploit routers using Metasploit
- Fall 2015 **First place team**, NATIONAL CYBER ANALYST CHALLENGE, Crystal City, VA.
Analyzed tens of gigabytes of network traffic using Wireshark to investigate an intrusion.
- Feb 2014 **Captain of first place team**, NATIONAL CYBER DEFENSE COMPETITION, Ames, IA.

Languages

- English **Native Speaker**
Spanish **Intermediate**
Russian **Basic**