

# Steffanie R Bisinger

319-350-3130 | srbising@gmail.com

## EDUCATION

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**Iowa State University**, Ames, IA

GPA 3.82/4.0

*MS, Information Assurance*

May 2018

**Iowa State University**, Ames, IA

*BS, Software Engineering*

May 2016

## TECHNICAL PROFICIENCY

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**Programming languages:** Java, C, Python, HTML/Javascript, Scala, Perl

**Operating systems:** Linux (Debian, Fedora), Windows (Server 2008, 2012, 7, 8)

**Applications:** Git, Apache Server, Wireshark, Aircrack-ng Suite, BurpSuite, Vim, LaTeX, IDA Pro, VMWare vCenter, VMWare vSphere, VMWare ESXi, BEEF, QEMU, ARM cross-compiling tools

## RELEVANT EXPERIENCE

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**ISEAGE**

Ames, IA

*Research Assistant*

November 2013-Present

- Directed the 2015 National Cyber Defense Competition
- Created vulnerable applications for Cyber Defense Competitions
- Led Red Team in attacks against Blue Teams' systems
- Led Green Team in assessing the usability of Blue Teams' systems

**Rockwell Collins**

Cedar Rapids, IA

*Network Security Intern*

May 2016-August 2016

- Assisted in replacing and upgrading access token infrastructure
- Analyzed and cleaned up firewall rules
- Modified Perl scripts to aid in gathering and analyzing firewall logs

**Workiva**

Ames, IA

*Security Intern*

May 2015-August 2015

- Assessed the security of internal applications
- Assisted with company-wide security training
- Developed internal python application for automated assessments

## HONORS & ACTIVITIES

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- NSF CyberCorps Scholarship for Service Recipient August 2016
- Finalist team National Cyber Analyst Challenge November 2016
- Volunteer with FTC Iowa January 2016-Present
- 1st place team National Cyber Analyst Challenge November 2015
- Captain of 1st Place CDC Team Fall 2013, Nationals 2014
- Information Assurance Student Group August 2011-Present

## RELEVANT COURSEWORK

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- Operating Systems
- Concurrency and Parallel Programming
- Reverse Engineering
- Tools for Large Scale Data Analysis
- Software Testing
- Real-Time Systems
- Intro to Network Security
- Research Problems in Information Security
- Leadership\*
- Wireless Network Security\*
- Information Warfare\*

\* In progress