Steff Bisinger

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github.com/regalcat

Education

Iowa State University   **Ames, IA**
Masters of Science in Information Assurance and Computer Engineering, GPA: 3.81   *2016–2018*
Specialization in Secure and Reliable Computing
Major professor: Dr Doug Jacobson

Iowa State University   **Ames, IA**
Bachelor of Science in Software Engineering   *2011–2016*

Experience

Research..

Argonne National Laboratory   **Lemont, IL**
Research Assistant   *2017–2018*
Argonne's COAR group is a team of researchers dedicated to making advancements in the field of cybersecurity.
Detailed achievements:
- Implement code quality controls for the group's research code bases. This will help the group get their code ready to be used in a production environment and continue to assure that the code is of acceptable quality as new features are added.
- Transform a research code base into production-ready code by auditing it, refactoring the code, and adding unit tests.
- Create graphics and research poster for a project.
- Co-authored a paper on a moving target defense solution for web servers.

ISEAGE Lab, Iowa State University   **Ames, IA**
Research Assistant   *2013–2018*
The ISEAGE lab at Iowa State University hosts 5 cyber defense competitions at varying levels of education each year with the goal of offering students and professionals a safe environment in which to practice their security skills.
Detailed achievements:
- Rewrote the scoring system's availability testing functionality using Celery, a library for creating and managing worker processes. This allows the scoring system to better utilize server resources under heavy load.
- 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.

Professional ....

Rockwell Collins   **Cedar Rapids, IA**
Network Security Intern   *2016–2016*
Detailed achievements:
○ 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   *2015–2015*
Workiva is a software startup that creates products that make SEC filings easy.
Detailed achievements:
○ Assessed the security of internal web applications using tools like BurpSuite and custom Python code.
○ Assisted with company-wide security training by developing a tool for visualizing the performance of individual employees in previous trainings.
○ Contributed code to fix minor bugs in the company's main product.

Languages

Spanish: Intermediate   *Four years of high school classes*
Russian: Novice   *One university course and some self study*

Publications

Polymorphic Rotational Web Server A Moving Target Defense Solution.: In progress.

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 Analysis Tools: Apache Hadoop, Apache HDFS, Apache Spark, ElasticSearch

Forensics/Analysis: Wireshark, Volatility, IDAPro

Web Application Frameworks: Django, Flask

Outreach

FIRST Tech Challenge   **Various locations, IA**
Wifi/Field Technical Advisor   *2016–2018*
FIRST Tech Challenge is a program that teaches high school students problem solving and the engineering process through robotics challenges.

USA Archery   **Alburnett, IA**
Level 2 Coach   *2013–2016*
USA Archery's Junior Olympic Archery Development program prepares young archers to be competitive at a national and international level while teaching them respect, confidence, and self-awareness.

Alburnett Archery, National Archery in the Schools Program   **Alburnett, IA**
Assistant Coach   *2011–2013*
The National Archery in the Schools Program teaches archers grades 4 through 12 integrity and confidence.

Affiliations

CyberCorps Scholarship for Service: CyberCorps Scholarship for Service funds students pursuing degrees in the field of cybersecurity who then serve government entities.

Information Assurance Student Group: Iowa State University's Information Assurance Student Group is a club that meets weekly to share cybersecurity knowledge.

SecDSM: SecDSM is a cybersecurity organization that gathers professionals from the area to network.

Professional Development

Wild West Hackin' Fest Capture the Flag Competition 2017: First place team

National Cyber Analyst Challenge: Hosted by Lockheed Martin, Leidos, and Temple University
- Finalist team 2016
- First place team 2015

Cyber Defense Competition: Hosted at Iowa State University by ISEAGE
- Captain of first place team, Nationals 2014
- Captain of first place team, Fall 2013

References

Professional	Character
- Dr Jim Davis	Amongst others:
- Dr John Burnley	- Vance Patrilla, and
- Dr Ben Blakely	- Dr Jan Weirsema

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Company Recruitment team   January 01, 1984
Company, Inc.
123 somestreet
some city

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ullamcorper neque sit amet lectus facilisis sed luctus nisl iaculis. Vivamus at neque arcu, sed tempor quam. Curabitur pharetra tincidunt tincidunt. Morbi volutpat feugiat mauris, quis tempor neque vehicula volutpat. Duis tristique justo vel massa fermentum accumsan. Mauris ante elit, feugiat vestibulum tempor eget, eleifend ac ipsum. Donec scelerisque lobortis ipsum eu vestibulum. Pellentesque vel massa at felis accumsan rhoncus.

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Albert Einstein discovered that $e = mc^2$ in 1905.

$$e = \lim_{n \to \infty} \left(1 + \frac{1}{n} \right)^n$$

Yours faithfully,

Steff Bisinger

Attached: curriculum vitæ